# Table of Contents

Executive Summary .................................................................................................................. 4
Coronavirus and T&M.............................................................................................................. 5
Mr. Denning’s Strategic Opportunities and Covid-19 Gift....................................................... 5
Leadership Update................................................................................................................... 5
Faculty and Staff....................................................................................................................... 6
The T&M Program Model.......................................................................................................... 7
Admissions and Program Statistics.......................................................................................... 8
Minors.................................................................................................................................... 13
Curriculum .............................................................................................................................. 13
Class of 2022 Academic Updates............................................................................................ 14
Poets & Quants, Academic Recognition Day, and Scheller Student Features..................... 18
Corporate Statistics .............................................................................................................. 20
Corporate Affiliate History..................................................................................................... 20
Corporate Affiliate Guest Speaker......................................................................................... 21
Salary Statistics ..................................................................................................................... 21
Student Employment with Corporate Affiliates .................................................................... 22
T&M Events by Category ......................................................................................................... 25
Career Development Events................................................................................................... 25
Capstone Events .................................................................................................................... 27
Corporate Partnership and Academic Events......................................................................... 30
Steve Monetta and Siemens..................................................................................................... 34
International Events ............................................................................................................. 35
Alumni Events and Involvement............................................................................................ 35
Alumni LinkedIn Initiative..................................................................................................... 40
Community Building Events................................................................................................. 42
Administrative Events........................................................................................................... 42
Denning Awards..................................................................................................................... 42
Scholarships .......................................................................................................................... 45
MBA Mentor Initiative............................................................................................................ 50
Class of 2021 Capstone Projects............................................................................................ 51
Class of 2021 Photo................................................................................................................. 64

**COVER PHOTO:**

The cover photo features the graduating [T&M Class of 2021](#). This was T&M’s first in-person event since the Etiquette Dinner on February 3, 2020.
Executive Summary

The Steven A. Denning Technology & Management (T&M) Program helps create cross-functional leaders in technology and business-related fields by building upon Georgia Tech’s outstanding programs and curriculum. Classes emphasize experiential learning and include hands-on elements, allowing Denning T&M students the opportunity to offer interdisciplinary-team solutions to real-world problems faced by the program’s corporate affiliates.

The Denning T&M Program is open to all Georgia Tech undergraduate students, which includes the Scheller College of Business, the College of Computing, the College of Engineering, the College of Design, the Ivan Allen College of Liberal Arts, and the College of Sciences.

Business and Engineering students who complete the program earn a 22-credit minor in Engineering & Business. Computer Science and IT Management students earn a minor in Computing & Business. Students from all other colleges earn a minor in Technology & Business.

Vision: To develop a generation of collaborative, professionally adept, ethical, and successful business leaders with an openness to seeking and learning from alternative points of view and with the capability to leverage technology to improve the state of the world.

Mission: To be the flagship interdisciplinary program at Georgia Tech offering minors at the intersections of technology and business, involving rigorous academic and professional training in collaboration with world-class faculty and corporate partners across a breadth of industries.

There are two sides to the program: students and corporate affiliates, and the five-member T&M faculty/staff team, with the support of our exceptional professors, bridge these two sides. Additionally, as the alumni base expands, the team strives to incorporate them into the program whenever possible.

When it comes to supporting our students, we offer rigorous academic challenges paired with events to encourage their growth as individuals and team members. We categorize our events as career development, corporate partnerships, academic, international, alumni-centered, community building, and administrative.

When it comes to establishing and nurturing our corporate partnerships, the T&M Program team works closely with each affiliate to meet their specific innovation and hiring needs. From on-site visits by our Administrative Director and Corporate Relations & Student Counseling Manager to office takeovers, the T&M career fair, and capstone project development, mentoring, and execution, we are here to listen intently and execute process improvement to benefit affiliates and students alike.

This report includes our curriculum as well as information on our events to create a broad view of the T&M Program’s opportunities. It will touch on students, alumni, and corporate affiliates to show the unique ecosystem known across Georgia Tech as one of the unique offerings available to undergraduate students.
Coronavirus and T&M

The T&M Program has been operating in a hybrid fashion since Friday, March 13, 2020, when the entire Georgia Tech community was asked to leave campus due to Covid-19 protocols. Over the summer of 2020, the team prepared to convert our coursework and events online. Most classes met at a decreased capacity, with the remaining students joining virtually over BlueJeans. However, Dr. Cressler taught his CoE 3002 “Introduction to Microelectronics and Nanotechnology Revolution” face-to-face using socially distanced protocols. All office takeovers were moved to the online Gatherly platform, and alumni events were postponed. The academic year ended on a high note with an in-person masked graduation for the Class of 2021 at the Academy of Medicine.

Mr. Denning’s Strategic Opportunities and Covid-19 Gift

Because of Mr. Denning’s COVID-19 gift, the T&M Program was able to continue operating at full capacity with 12 capstone projects. Mr. Denning’s continued generosity has enabled the Program to keep our experiential learning goals intact with only 4-5 students on each capstone project for the Class of 2021. Additionally, we hope to identify and plan for strategic opportunities to make the T&M Program even stronger.

We are grateful for Mr. Denning’s support and vision since 2008. His encouraging words to us in May 2020 included,

“I wish you the very best in maintaining the program’s offering and impact since the rationale for the T&M Program couldn’t be stronger.”

Leadership Update

Dr. Han Zhang has completed the fifth year of his six-year term as the Faculty Director of the Steven A. Denning Technology & Management Program. He is a Professor in Information Technology Management (ITM) and the Steven A. Denning Professor of Technology & Management.

Dr. Zhang’s research focuses on the economics of information technology, online trust and reputation, online word-of-mouth, and the evolution of electronic markets. His research on the institutional setup to help small businesses grow in the digital economy has been used as the basis for testimony before the Congressional House Committee on Small Business. He currently serves as a senior editor for MIS Quarterly, a top-tier journal in the information systems field.

Dr. Han Zhang
Faculty and Staff

The T&M Program staff have been working together under the guidance of Faculty Director Han Zhang for five years and Administrative Director Bob Burgess for seven years. Sheena Brown (Academic Program Manager) handles all events, student recruiting and attrition, scholarships, and finances. Anne Lynch (Communications Manager) and John Stanford (Senior Manager, Industry Engagement & Student Counseling) partner to coach the students for career success. After offering career guidance, John passes the students back to Anne for writing advice. Between the two of them, the students receive the one-on-one attention needed to excel. John also coordinates all corporate engagement to nurture industry partnerships, while Anne maintains alumni engagement. During this academic year, Ava Gribble and Nick Gribble served as undergraduate office assistants.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheena Brown</td>
<td>Academic Program Manager</td>
<td><a href="mailto:sheena.brown@scheller.gatech.edu">sheena.brown@scheller.gatech.edu</a></td>
<td>404.385.7688</td>
</tr>
<tr>
<td>Robert “Bob” Burgess</td>
<td>Administrative Director</td>
<td><a href="mailto:robert.burgess@scheller.gatech.edu">robert.burgess@scheller.gatech.edu</a></td>
<td>404.894.3899</td>
</tr>
<tr>
<td>Anne Lynch</td>
<td>Communications Manager</td>
<td><a href="mailto:anne.lynch@scheller.gatech.edu">anne.lynch@scheller.gatech.edu</a></td>
<td>404.385.3108</td>
</tr>
<tr>
<td>John Stanford</td>
<td>Senior Manager, Industry Engagement &amp; Student Counseling</td>
<td><a href="mailto:john.stanford@scheller.gatech.edu">john.stanford@scheller.gatech.edu</a></td>
<td>404.385.4504</td>
</tr>
<tr>
<td>Han Zhang</td>
<td>Faculty Director</td>
<td><a href="mailto:han.zhang@scheller.gatech.edu">han.zhang@scheller.gatech.edu</a></td>
<td>404.894.4373</td>
</tr>
</tbody>
</table>

Han Zhang, Sheena Brown, Bob Burgess, Ava Gribble, John Stanford, and Anne Lynch.
The T&M Program Model

**Intellectual**
- T&M courses
- Engagement with corporate executives

**Interdisciplinary**
- Cohort spanning all Georgia Tech Colleges
- Interdisciplinary teams

**Professional**
- Oral/written communication skills
- Leadership and team building
- Career support and alumni engagement

**International**
- Themed annual international experience

Capstone Projects
Admissions and Program Statistics

Fifty-six students from the T&M Program Class of 2021 completed minors in either Computing & Business, Engineering & Business, or Technology & Business. In Fall 2021, 62 students in the Class of 2022 will begin the Pre-Capstone class, and 67 students in the newly admitted Class of 2023 will begin coursework.

The incoming Class of 2023 of 67 students has an average GPA of 3.83 and spans 15 Georgia Tech majors. Majors represented include Aerospace Engineering (AE), Business Administration (BA with concentrations in Finance, Leadership and Organization Change, Marketing, Operations and Supply Chain Management, and Strategy and Innovation), Business Administration – IT Management (BA-ITM), Biology, Biomedical Engineering (BME), Chemical and Biomolecular Engineering (CHBE), Civil Engineering (CE), Computer Engineering (CMPE), Computer Science (CS), Electrical Engineering (EE), Environmental Engineering (ENVE), Industrial Design (ID), Industrial Engineering (IE), Literature, Media, and Communication (LMC), and Mechanical Engineering (ME).

Women students represent 47% of this class, African American students represent 8%, Asian students represent 41%, and Hispanic students represent 6%. We continue to reach out to all Diversity & Inclusion offices across campus to recruit a diverse cohort. For example, Sheena Brown joined the Office of Minority Education’s African American Male Initiative Fall Summit to recruit prospective students.

Class of 2023 Demographics - College

- College of Engineering, 45%
- College of Computing, 35%
- College of Design, 3%
- College of Sciences, 2%
- Scheller College of Business, 15%
- Ivan Allen College, 0%

Class of 2023 Demographics by College

Additionally, beginning in the fall semester of 2015, the T&M Program has offered “Express Admission” to all incoming Scheller College of Business Dean’s Scholars. Forty Dean’s Scholars have accepted the offer to date. Several students have stated that a key factor in their acceptance of the Scheller Dean’s Scholarship was the fact that they received “Express Admission,” which means they can declare their
...desire to join the program in their freshman year without formally applying or interviewing. Those accepting the offered “Express Admission” begin the T&M Program in the fall of their sophomore year.

The percentage of majors and concentrations represented in the T&M Program from the three major colleges over the years are found in the three graphics below:

**College of Computing Majors**

- Computational Media: 7%
- Computer Science: 93%


**College of Engineering Majors**

Breakdown of College of Engineering Majors from 2010 – 2023 (percentages do not equal 100% because of rounding)
Breakdown of Scheller College of Business Majors from 2010 – 2023
(percentages do not equal 100% because of rounding)

26% Acceptance Rate
There have been 2,440 applications received up through the Class of 2023,
with 786 students accepted into the program.

91% Graduation Rate
There have been 667 students accepted through the Class of 2021,
with 608 earning one of the three T&M minors.
Demographics by Gender from 2016-2023
(Option “Prefer not to answer” is significantly less than 1% causing rounding error)

Demographics by Origin from 2016-2023

Demographics - Gender (2016-2023)

Demographics - Origin (2016-2023)
Enrollment Growth by College

College of Engineering  
Scheller College of Business  
College of Computing  
Ivan Allen College of Liberal Arts  
College of Design  
College of Sciences

Enrollment Growth by College (Total Enrollment = 799)
Minors

Computing & Business Minor
Scheller College of Business – IT Management
College of Computing

Engineering & Business Minor
Scheller College of Business – all concentrations except IT Management
College of Engineering

Technology & Business Minor
College of Design
College of Sciences
Ivan Allen College of Liberal Arts

Curriculum

Tracks, Four Semesters

<table>
<thead>
<tr>
<th>TOGETHER WITH COHORT</th>
<th>CROSS-FUNCTIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1</td>
<td></td>
</tr>
<tr>
<td>MGT 3743: Analysis of Emerging Technologies</td>
<td>MGT 3000: Financial &amp; Managerial Accounting</td>
</tr>
<tr>
<td>Spring 1</td>
<td></td>
</tr>
<tr>
<td>MGT 3744: Managing Product, Service, &amp; Technology Development</td>
<td>MGT 3078: Finance &amp; Investments</td>
</tr>
<tr>
<td>Fall 2</td>
<td></td>
</tr>
<tr>
<td>MGT 4741: Pre-Capstone</td>
<td>MGT 3300: Marketing Management I</td>
</tr>
<tr>
<td>Spring 2</td>
<td></td>
</tr>
<tr>
<td>MGT 4742: Integrated Capstone Project [4 credit hours]</td>
<td></td>
</tr>
</tbody>
</table>

Scheller College of Business – all concentrations except IT Management

<table>
<thead>
<tr>
<th>TOGETHER WITH COHORT</th>
<th>CROSS-FUNCTIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1</td>
<td></td>
</tr>
<tr>
<td>ME 3743: Analysis of Emerging Technologies</td>
<td>ME 2112: Creative Decisions &amp; Design</td>
</tr>
<tr>
<td>Spring 1</td>
<td></td>
</tr>
<tr>
<td>ME 3744: Managing Product, Service, &amp; Technology Development</td>
<td>ME 3141: Cutting-Edge Technologies Seminar</td>
</tr>
<tr>
<td>Fall 2</td>
<td></td>
</tr>
<tr>
<td>ME 4741: Pre-Capstone</td>
<td>COE 3002: Introduction to Microelectronics &amp; Nanotechnology</td>
</tr>
<tr>
<td>Spring 2</td>
<td></td>
</tr>
<tr>
<td>ME 4742: Integrated Capstone Project [4 credit hours]</td>
<td></td>
</tr>
</tbody>
</table>

Scheller College of Business – IT Management  
CS 1301 is a pre-requisite (not CS 1315).
Class of 2022 Academic Updates

The 2020-21 Academic Year (AY) was a year like no other. We are proud of our students for adapting and pushing through. Allow us to highlight the Class of 2022’s first year in the T&M Program.

Dr. Eric Overby teaches Analysis of Emerging Technologies, the first T&M Program cohort course each fall. Due to the pandemic, Dr. Eric Overby revamped the format for the course in Fall 2020. The revamped course combined synchronous (both in-person and online) activities with asynchronous material, including a series of new interactive exercises to help students apply course material.

Dr. Karthik Ramachandran teaches Managing Product, Service, and Technology Development, the second T&M Program cohort course each spring. The COVID-19 pandemic was a major disruption for the product development efforts of students. However, student teams persevered.

Two teams split the four awards between them. Team Arthritis won “Best Final Presentation” (1st Place) and “Most Likely to Have Impact” (2nd Place). Team Color Blindness won “Most Likely to Have Impact” (1st Place) and “Best Final Presentation” (2nd Place).

Team Arthritis

Sreya Atmuri (CS), Carter Hebert (BA-Finance), Michael Mandujano (BA-Finance), Jennifer O’Brien (ISyE), Derek Prusener (BME), and Parker Quarles (BA-ITM).

Team Arthritis writes, “For our project, we decided to focus on individuals who are diagnosed with arthritis. Around 54 million people in the US suffer from arthritis, and through our research and interviews, we identified that opening/twisting jars was a major unmet need for our user group. We designed a prototype that clamps the jar’s lid and allows the user to open the jar by twisting the base with both hands. Our device met our user needs of durability, ease of grip, and adjustability, and our users with arthritis who tested the device successfully opened the jar with a reduced level of pain.”
Team Color Blindness writes, “Our group investigated colorblindness, which affects up to 5-10% of the general population. After dozens of user interviews, brainstorming sessions, and lots of feedback from Professor Ramachandran, we uncovered a big usability gap in the colorblind filtering market for digital media. For our final prototype, we built a Chrome extension that identifies a user’s specific type of colorblindness and uses this information to generate a custom color filter across web pages. This filter
can help our users distinguish between problematic colors in videos, images, and text - even if they’re not sure what their colorblind diagnosis is!”

Excerpt from Team Color Blindness’ presentation.

Dr. David Ku teaches ME 3141, Cutting-Edge Technologies Seminar to all business students except those studying IT Management. He wrote the following about this past academic year. “Students did very well online. We covered several new technologies related to COVID topics, with cutting-edge topics such as food waste and manufacturing. I think the students had their eyes opened to a whole new technology world.”

Dr. John D. Cressler, a faculty member from the School of Electrical and Computer Engineering, teaches CoE 3002, “Introduction to the Microelectronics and Nanotechnology Revolution,” each fall to T&M students. During the fall of 2020, even amidst the pandemic, he opted to teach this course completely in person (no remote option), albeit with students spaced out and fully masked (23 students in a 125-seat amphitheater in Scheller). This fall’s course experience, for both students and professor, as attributed by informal, anonymous surveys, went exceedingly well, with complete coverage continuity to previous years and a welcome respite for all from remote learning during this challenging time. The class participated in bi-weekly Discussion Threads (e.g., including one on the new documentary – “Social Dilemma”), Team Debates on the societal impact of micro/nanotechnology, and a capstone Widget Deconstruction Project.
Class of 2021 graduate Ally Nastasi writes, “Dr. John Cressler is an electrical engineer who teaches nanotechnology to business majors through the T&M Program. I took his class in Fall 2020, one of the few in-person classes offered that semester. Not only did he teach the class with both patience and enthusiasm, but more importantly, he cares deeply about his students. In a time when I felt distant from my classmates and professors, Dr. Cressler was able to foster open conversations about ethical dilemmas brought on by modern society’s advancement in digital technologies."

**IEEE Medal**

We are also excited to share that Dr. John D. Cressler has been awarded one of the most prestigious honors presented by the Institute of Electrical and Electronics Engineers (IEEE). As the recipient of the 2021 IEEE James H. Mulligan, Jr. Education Medal, Cressler was honored “for inspirational teaching and mentoring of undergraduate and graduate students.”

Dr. Cressler teaches nanotechnology to business majors through the T&M Program. “In the classroom, Cressler believes that the keys to success are passion for what you teach, being real, being and sharing who you are and what you believe with your students, and being approachable and showing that you care.”
Poets & Quants, Academic Recognition Day, and Scheller Student Features

Poets & Quants

T&M Class of 2021 alumna Devika Dutt was recognized by Poets & Quants as one of the Top 100 undergraduate business majors across the country. While in T&M, Devika was on the Siemens Training capstone team. In Devika’s profile, she talks about T&M by way of her admiration of her classmate Emily Salmond. “I most admire Emily Salmond. I actually met her through the Denning Technology & Management (T&M) Program, and I have been in awe of her since the day we met. She is one of the most hard-working and caring individuals I have had the pleasure of meeting. Together, we took ME 2110, which is essentially a robot building class for mechanical engineers, but also a requirement for our T&M minor. This class was completely out of both of our comfort zones, but she truly had a knack for it. She became one of the star students of the class and even became a teaching assistant the semester after as a business major!”

Devika Dutt (BA – Operations)

Academic Recognition Day

Each year at Academic Recognition Day, the Board of Regents of the University System of Georgia honors one undergraduate student from each of its 26 institutions who best represents the system’s highest scholastic ideals. This year’s representative from the Georgia Institute of Technology is Morgan Knowlton, a standout student from the Georgia Tech H. Milton Stewart School of ISyE and the Denning Technology & Management Program.

Morgan is a Denning scholar from the Class of 2021 and was the T&M Student of the Year in 2019. She was a member of the Georgia-Pacific LLC Operations capstone team and earned her minor in Engineering & Business this May.
Scheller Student Features

The Scheller College of Business featured three T&M alumni in their “Countdown to Commencement” series. All three students graduated from Georgia Tech in Spring 2021, but Brett Broughton and Anna Katherine Cates finished the T&M Program with our Class of 2020. Ally Nastasi finished both the T&M Program and her business degree in Spring 2021.

When Brett Broughton was asked, “As a business student in the heart of Tech Square, how do you think the Georgia Tech Scheller College of Business embodies the intersection of business and technology?” Brett writes, “As an alumnus of the Denning Technology & Management (T&M) Program, I feel like I have had more than enough opportunities to obtain computer science experience while getting the fundamentals of accounting principles. We are right down the street from so many Fortune 500 companies, and it’s not unusual to run into recruiters and job opportunities just walking to class.” While in T&M, Brett was a member of the Boeing capstone team.

While in T&M, Anna Katherine Cates was on the Steelcase capstone team and traveled to Hong Kong and Shenzhen, China, to earn a certificate in “Global Leadership: Conducting Business in China.” Ally
Nastasi was on the Southwire capstone team. A quote from Ally was featured above in connection to Dr. Cressler’s class.

**Corporate Statistics**

The 2020-21 AY marked the official beginning of the T&M Program’s partnership with the one new corporate affiliate: Navy Nuclear Lab (NNL). In addition to NNL, 10 continued with us (Boeing, Caterpillar, CDC, Equifax, Georgia-Pacific, NCR, Siemens, Southwire, Steelcase, and Ware2Go), bringing our total to 11 corporate affiliates for the Class of 2021.

This year is the sixth year in a row where corporate affiliates could sponsor multiple capstone projects. Siemens sponsored a digital project as well as one for their training division. We had a total of 12 capstone projects for the Class of 2021.

**Corporate Affiliate History**

![Corporate Affiliate History Table]

**NOTES:**

1. Pro Bono project for non-profit government agency.
2. Pro Bono project for GT community.
3. Three corporate affiliates have sponsored multiple projects from different divisions of their organization in any given year.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Caterpillar</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Georgia-Pacific (OPS)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Siemens</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Boeing</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Equifax</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>NCR</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CDC</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Southwire</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Steelcase</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ware2Go</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Navy Nuclear Lab (NNL)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Elvon</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Georgia-Pacific (Innovation)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PACCAR</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Siemens (Health)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Interface</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Shaw Industries</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Honeywell</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ATDC Start-up (Mile Auto)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Adoza Brands</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Home Depot (PRO)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>AT&amp;T</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Georgia-Pacific (Packaging)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>GTRI</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Home Depot (com)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Capital One</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hewlett-Packard</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Unum</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Cox</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hewlett Recycling</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Timken</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Capstone Projects**

![Capstone Projects Chart]

**NOTES:**

1. Pro Bono project for non-profit government agency.
2. Pro Bono project for GT community.
3. Three corporate affiliates have sponsored multiple projects from different divisions of their organization in any given year.
Corporate Affiliate Guest Speaker

Denning T&M Program students benefited greatly by meeting and speaking with the following corporate executive who served as a guest speaker in Dr. Ramachandran’s class during AY 2020-21:

NCR
Rakesh Patel, Executive Director of Product Management

Salary Statistics

Across the board, students that graduate from Georgia Tech with one of our three minors realize a financial benefit in their starting salary. Currently, we only have anecdotal information for our Technology & Business minors from the College of Design, College of Sciences, and the Ivan Allen College of Liberal Arts. For students earning a minor in Engineering & Business or Computing & Business from the Scheller College of Business, College of Computing, and College of Engineering, we have enough data to provide comparisons.

The graph below illustrates the differences across the three largest colleges for alumni starting full-time jobs in the summer of 2021. To account for anomalies in salary data caused by COVID-19, we used a two-year average median. Also, the average hourly rate for T&M students interning was $25.50/hour.

![Two-Year Average Median for T&M vs. 2021 College Median](image-url)
The Denning T&M Program is pleased to report that a total of 19 students worked for T&M corporate affiliates during the academic year or in a summer internship. Seven students also started a full-time position with a corporate affiliate in 2021.

<table>
<thead>
<tr>
<th>Corporate Affiliate</th>
<th>Student</th>
<th>Major</th>
<th>Class</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boeing</td>
<td>Drew Nizialek</td>
<td>Industrial and Systems Engineering</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Boeing</td>
<td>Aayush Shah</td>
<td>Computer Science</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Boeing (Argon ST)</td>
<td>Harsha Tambareni</td>
<td>Electrical Engineering</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Caterpillar</td>
<td>Michael Mandujano</td>
<td>Business Administration - Finance</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Caterpillar</td>
<td>Davis Waln</td>
<td>Mechanical Engineering</td>
<td>2021</td>
<td>Internship</td>
</tr>
<tr>
<td>Equifax</td>
<td>Carly Schmitt</td>
<td>Economics and International Affairs</td>
<td>2020</td>
<td>Full Time</td>
</tr>
<tr>
<td>Equifax</td>
<td>David Yeh</td>
<td>Materials Science and Engineering</td>
<td>2020</td>
<td>Internship</td>
</tr>
<tr>
<td>Georgia-Pacific</td>
<td>Parker Quarles</td>
<td>Business Administration - ITM</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Georgia-Pacific</td>
<td>Michelle Voykovic</td>
<td>Business Administration - Supply Chain Management and Operations</td>
<td>2020</td>
<td>Full Time</td>
</tr>
<tr>
<td>Georgia-Pacific (Koch Industries)</td>
<td>Nikita Dani</td>
<td>Business Administration - ITM</td>
<td>2021</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Courtney Canouse</td>
<td>Business Administration - Finance</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Ford Coleman</td>
<td>Business Administration - Finance, and Strategy &amp; Innovation</td>
<td>2020</td>
<td>Full Time</td>
</tr>
<tr>
<td>Company</td>
<td>Student Name</td>
<td>Major</td>
<td>Year</td>
<td>Status</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------</td>
<td>--------------------------------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>NCR</td>
<td>Lulu Gao</td>
<td>Industrial Design</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Katherine Groce</td>
<td>Media and Communications</td>
<td>2021</td>
<td>Full Time</td>
</tr>
<tr>
<td>NCR</td>
<td>Aleksandr Kalenchits</td>
<td>Computer Science</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Connor Meeds</td>
<td>Mechanical Engineering</td>
<td>2020</td>
<td>Full Time</td>
</tr>
<tr>
<td>NCR</td>
<td>George Missailidis</td>
<td>Industrial Design</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Clare Thanner</td>
<td>Business Administration - Finance</td>
<td>2020</td>
<td>Full Time</td>
</tr>
<tr>
<td>NCR</td>
<td>Siddhartha Vemuri</td>
<td>Computer Science</td>
<td>2021</td>
<td>Internship</td>
</tr>
<tr>
<td>NCR</td>
<td>Liz Welsko</td>
<td>History, Technology, and Society</td>
<td>2021</td>
<td>Full Time</td>
</tr>
<tr>
<td>NCR</td>
<td>Kalieann Wetherington</td>
<td>Business Administration - Marketing</td>
<td>2023</td>
<td>Internship</td>
</tr>
<tr>
<td>Siemens</td>
<td>Thomas Alexander</td>
<td>Mechanical Engineering</td>
<td>2021</td>
<td>Internship</td>
</tr>
<tr>
<td>Siemens</td>
<td>Miguel Bethancourt</td>
<td>Mechanical Engineering</td>
<td>2021</td>
<td>Internship</td>
</tr>
<tr>
<td>Siemens</td>
<td>Lindsey Nicholas</td>
<td>Computer Science</td>
<td>2022</td>
<td>Internship</td>
</tr>
<tr>
<td>Southwire</td>
<td>Cody Kaplan</td>
<td>Business Administration - Finance</td>
<td>2023</td>
<td>Internship</td>
</tr>
<tr>
<td>Southwire</td>
<td>Mason Randall</td>
<td>Mechanical Engineering</td>
<td>2022</td>
<td>Internship</td>
</tr>
</tbody>
</table>
Michelle Voykovic (Business – Supply Chain Management and Operations, T&M Class of 2020,) now works full time at Georgia-Pacific as a JumpStart Sales Associate.

Ford Coleman (Business - Finance, and Strategy & Innovation, T&M Class of 2020) and Connor Meeds (Mechanical Engineering, T&M Class of 2020). Ford now works full time at NCR as a Service Engineer, and Connor works as a DevOps Engineer.
Carly Schmitt (Economics and International Affairs, T&M Class of 2020) now works full time at Equifax as a Data Scientist.

**T&M Events by Category**

As mentioned in the Executive Summary, we categorize our events as career development, corporate partnerships, academic, international, alumni-centered, community building, and administrative. This section will elaborate on these events to allow the reader to see how the Denning T&M Program supports its students and corporate partners across multiple dimensions. Due to the pandemic, our events were moved online or postponed until the 21-22 Academic Year.

**Career Development Events**

When it comes to career development, the T&M Program strives to provide as many hands-on workshops and events as possible to allow students to practice their communication skills frequently. By consistently interacting with our corporate affiliates, the students refine their elevator pitches and conversation skills to build confidence for competitive interviews and public speaking opportunities.

Each student starts off their T&M tenure with an official headshot in business formal to use on their LinkedIn profile. They also participate in a rigorous resume review with Communications Manager Anne Lynch to stand out amongst their peers when it comes to clarity, keyword optimization, formatting, and intrigue. All students, current and on-campus alumni, are eligible to be included in a bound resume book that corporate affiliates await every fall at the Corporate Affiliate Job Fair. This year, taking headshots and holding a face-to-face job fair were not possible.
Office takeovers, where we allow the companies to pitch themselves to our students, moved online this academic year to the Gatherly platform. Gatherly, a Georgia Tech startup, is a video conferencing platform designed specifically for hosting events. During the virtual office takeovers, our corporate affiliates could speak with students all at once, in small groups, or one-on-one. Students enjoy these informal events to learn more about the company culture while practicing their business conversation skills. Caterpillar, Equifax, Georgia-Pacific, the Navy Nuclear Lab, and Siemens all took advantage of Gatherly office takeovers.

As an early adopter, T&M helped guide the Gatherly team through the Georgia Tech vendor registration process, which allows their business to grow and host more events across campus. T&M Program Class of 2022 Lulu Gao (Industrial Design) was on the original Gatherly team as a User Experience Designer and currently interns at NCR as a UX/UI intern.
Additional workshops that allow T&M students to stand apart from their contemporaries are our Business Etiquette Dinner and our Dress for Success Workshop. In the Spring of 2020, Peggy Parks, CEO of Parks Image Group, led the students in a comprehensive etiquette class. Additionally, T&M students were joined by Excel Program students and their teachers. The Excel Program is a four-year college program for students with intellectual and developmental disabilities (I/DD), leading to two separate certificates. Since it wasn’t possible to meet in person for dinner this academic year, we plan to hold the event in the fall.

![Civility Expert Peggy Parks teaching etiquette in front of the live feed in Spring 2020.](image)

Traditionally, each April, the T&M Program students that will begin coursework in the upcoming fall semester are provided a Dress for Success Workshop taught by Nicole Guerrero and Lester McCarter. They separate the class into two groups based on gender to teach the differences between casual, business casual, and business formal to prepare them for interviews and important corporate events. Unfortunately, the workshop was canceled for the last two springs due to COVID-19. We are planning to hold a Dress for Success event in the fall for all current T&M students.

**Capstone Events**

Before the academic year begins, corporate sponsors solidify their capstone project and start refining it if needed with the T&M team. About one month into the semester, September pre-capstone class sessions are reserved for affiliates to give their capstone project pitches. Most students have already met the speaker at an office takeover, making it easier for them to envision themselves working alongside the project lead for six months. The capstone project pitches also allow affiliates to get feedback in the form of the Q&A session on how our interdisciplinary students would propose tackling their problem.
After the pitches, students vote on their top five projects. Students must justify their reasoning behind choosing a topic and describe how their skillset will benefit the project. After the T&M faculty and staff analyze the results, they place students on balanced teams and reveal the teams to the class. Typically, we reveal the groups at the Leadership Challenge Course. Students are joined by corporate affiliates to complete group challenges and go up on the ropes. Caterpillar’s Tony Agusti proposed the idea of joining students on the ropes four years ago, and it has been implemented ever since. This academic year, we revealed the groups online and teams immediately went to breakout rooms with their company sponsors.

The Class of 2021 capstone “draft” board.
Corporate affiliates remain involved throughout the year as they interact with their capstone team and the T&M staff. In April, capstone students presented their findings over video conferencing platforms. One of more T&M staff members attended each of the 12 virtual final presentations to the corporate sponsors and fellow executives.

The corporate affiliates were overwhelmingly impressed with the students’ ability to present virtually and how smoothly they pivoted to a new format. Twelve out of 12 projects were recommended as Best Project of the Year by at least one of their sponsors.

The Boeing team’s presentation “Team Introduction” slide.

The NCR team’s presentation “Team Introduction” slide.
Corporate Partnership and Academic Events

Understandably there is overlap between career development, corporate partnership, and academic events as these categories are interdependent. In fact, that’s what makes the Denning Technology & Management Program so unique. However, there are some events solely for our corporate affiliates to make sure they are making the most of their sponsorship. In the summer, our Administrative Director Bob Burgess and our Corporate Relations and Student Counseling Manager John Stanford conduct their Summer Tour, where they connect with as many affiliates as possible. This year, the summer tour will happen virtually using video conferencing and in person, depending on the affiliates’ requests. At these meetings, they discuss best practices, potential capstone projects, and meet new employees that may begin working with the T&M Program. The Summer Tour is a great way to learn more about the company culture as well.

Commencement

On the last Monday of class, all Class of 2021 T&M students met at the Academy of Medicine for their Commencement ceremony. Due to Georgia Tech COVID-19 protocols, the event was limited to the T&M team and the students. Everyone wore masks, and the students received their certificates of minor completion as teams. At the end of the report, we devote a page to each team and have included the group photos there. It was a much-welcomed ending to a difficult year, and we all appreciated celebrating together.

Kimberly Molino-Veronico (History, Technology, and Society), Louis Grady (Mechanical Engineering), and MBA Mentor Scott Spencer from the Siemens Digital capstone team.
Erin Shinners (Economics and International Affairs) from the NCR capstone team.

T&M Class of 2021 students putting on their stoles.
Administrative Director Bob Burgess addressing the Class of 2021.

Faculty Director Dr. Han Zhang speaking to the Class of 2021 and students listening.
Corporate Advisory Panel Meeting

Typically, a Corporate Advisory Panel Meeting is held at Top Golf so that affiliates can meet with each other as well as the T&M faculty and staff. At this end-of-year meeting, affiliates look back over the year and offer advice on how to continue improving the program. This year the event was moved online where each corporate sponsor took turns providing feedback on the past year.

T&M was especially grateful for its corporate partnerships this year, as many companies continued to work on capstone projects remotely with the students even during the challenges of the pandemic. The program was also excited to hear that most companies will be recruiting in person during the Fall semester.
Steve Monetta and Siemens

The T&M Program is indebted to Steve Monetta, Vice President & Controller, who saw the wisdom of establishing a partnership with Siemens from the very first year of the program in 2009. His steady hand of leadership will be missed! We currently have four alumni and three current students working for Siemens.

Brian Robinson • 1st
Controller and FP&A at Siemens Advanta | MBA Candidate at Duke University Fuqua School Atlanta Metropolitan Area
Lisa Smedberg, Mo (Mengnan) Shen, and 22 other shared connections

Cameron Reid • 1st
Busway Product Manager at Siemens Atlanta, GA
Alexander Reese, Kinsley Winn, and 24 other shared connections

Lindsey Nicholas • 1st
COMPAS Software Engineer at Siemens Atlanta Metropolitan Area
Corinna Alting, Alexa Cobo, and 28 other shared connections

Miguel Bethancourt • 1st
EVSE Mechanical Engineering Intern at Siemens Atlanta, GA
Conor Walsh, Alex Grady (he/him), and 12 other shared connections

Kinsley Winn • 1st
Product Sales Executive at Siemens Healthineers United States
Richard Wang, Megan Emery, and 124 other shared connections

John "Thomas" Alexander • 1st
Mechanical Engineering Student Gainesville, GA
William Gay, Daniel Smith, and 58 other shared connections

Kyle Bogdal • 1st
Bogie/Truck Quality Manager at Siemens Mobility United States
Eric Johnson, Sunnie Hudson, and 51 other shared connections

T&M Program alumni and students working at Siemens, June 2021.
International Events

The sixth annual International Experience was planned for March 13 to March 21, 2020, to Beijing, China, in partnership with the Beijing University of Posts and Telecommunications. Due to Covid-19 protocols, the trip was canceled. When it is safe to do so and approved by the Georgia Tech Office of International Education, the T&M Program will resume our International Experience trips over Spring Break. Originally, the trip was postponed until March 2021, and we planned to double the capacity. We are carefully monitoring CDC guidelines to determine when we will take students abroad again.

The T&M Program has enabled a total of 223 students to have an International Experience while an undergraduate student. Many students have commented that they would have missed out on the opportunity to study abroad if not for the “Spring Break travel structure” and the fact that the cost of the trip is subsidized by the T&M Program.

<table>
<thead>
<tr>
<th>Time Frame</th>
<th>Location</th>
<th>Title</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2015</td>
<td>Western Europe</td>
<td>&quot;Energy Policy and Practices in Europe&quot;</td>
<td>71</td>
</tr>
<tr>
<td>March 2016</td>
<td>Central Eastern Europe</td>
<td>&quot;From Planned to Market Economies&quot;</td>
<td>44</td>
</tr>
<tr>
<td>March 2017</td>
<td>Hong Kong and Shenzhen, China</td>
<td>&quot;A Tale of Two Cities: Hong Kong and Shenzhen, China&quot;</td>
<td>35</td>
</tr>
<tr>
<td>March 2019</td>
<td>Beijing, China</td>
<td>&quot;Cancelled Due to COVID-19&quot;</td>
<td>38</td>
</tr>
<tr>
<td>March 2020</td>
<td>Beijing, China</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Total Students Impacted "TO DATE" = 223

Alumni Events and Involvement

During this past academic year, we did not hold any in-person social alumni events but our alumni liaison, Anne Lynch, engaged with alumni one-on-one through phone conversations, LinkedIn messaging, emails, and Microsoft Teams discussion. She was also able to meet with a handful of alumni in person for coffee. John Stanford, Senior Manager, Industry Engagement & Student Counseling, also maintained open communication with alumni during the past year and focused his efforts on alumni that currently work for corporate affiliates. Three alumni also hosted a workshop on private equity, and 24 alumni critiqued midterm presentations for the Class of 2021 capstone teams.

Anne Lynch and Anju Suresh (T&M Class of 2017) exchanging a virtual high-five in July 2020.
Anne Lynch met with Tommy Antonino (T&M Class of 2015) in February 2021 to get a COVID test together through Georgia Tech’s testing program.

Anne Lynch met with Noel Webber (T&M Class of 2016) in March 2021.
T&M alumni Sean Burson, Phuong Ninh, and Jason Quill hosted a "Private Equity Career Alumni Information Session" on Monday, April 19, 2021, from 7:00 - 8:00 pm on BlueJeans. They discussed their choice of private equity as a career and answered questions. Ten students attended the session, along with Bob Burgess, John Stanford, and Anne Lynch.
This year, all capstone teams created midterm presentation videos. We then solicited alumni to critique a subset of these presentations that were approved for sharing by the corporate affiliates. Twenty-four alumni participated and offered additional support to the student teams. We would like to thank the following alumni:

Class of 2020: Ted Vlady, Karan Achtani, Davis Massey, Lucas Nativio, and Kiran Gite
Class of 2019: Jason Quill, Christina Darland, and Ana Jafarinia
Class of 2018: Preet Shah and Tivon Tsung
Class of 2017: Marguerite Bernard, James Savage, Chelsi Cocking, Kinsley Winn, and Anju Suresh
Class of 2015: Jonathan Porter and Alexei Nikonovich-Kahn
Class of 2014: Jimmy Micali
Class of 2013: Keegan Christensen
Class of 2012: Gregory Jones, Matt Jacobson, and John Miller
Class of 2011: Hari Gopal
Class of 2010: John O’Farrell

<table>
<thead>
<tr>
<th>Team</th>
<th>One Sentence Description for Class of 2021 Capstone Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boeing</td>
<td>We are redesigning the tool that Boeing uses to assemble the inlet, which sits just in front of the engines and ensures proper airflow.</td>
</tr>
<tr>
<td>Caterpillar</td>
<td>Our team is working to improve Caterpillar’s sustainability efforts in their Clayton, NC facilities by reducing their greenhouse gas emissions, water consumption, and total energy usage.</td>
</tr>
<tr>
<td>CDC</td>
<td>The CDC team is creating a platform with supporting business documents to aggregate restaurant orders and utilize economies of scale at local farms to gain competitive prices for healthier and fresher produce.</td>
</tr>
<tr>
<td>NCR</td>
<td>The NCR Capstone team is developing a platform that will enhance the in-restaurant dining experience and improve stakeholder communications.</td>
</tr>
<tr>
<td>Siemens Digital</td>
<td>This project focuses on adapting a COVID-19 social distancing and contact tracing application to prevent injuries and promote safety in manufacturing environments.</td>
</tr>
<tr>
<td>Southwire</td>
<td>The Southwire Capstone team is developing a market entry strategy and product concept for Southwire to enter and gain market share in the 5G telecom industry.</td>
</tr>
<tr>
<td>Steeckase</td>
<td>Evaluation of Exoskeleton implementation for Steeckase’s distribution center workers.</td>
</tr>
<tr>
<td>Ware2Go</td>
<td>The Ware2Go team is seeking to improve the accuracy and efficiency of Ware2Go’s current cycle counting process through the use of RFID technology.</td>
</tr>
</tbody>
</table>
Twenty-four alumni volunteered to critique midterm presentations.
Alumni LinkedIn Initiative

In June 2019, we created a Higher Education page on LinkedIn for the Denning Technology & Management Program to post public content about our program, students, corporate affiliates, and alumni. Most importantly, our 608 alumni can add the T&M Program under their LinkedIn Education section to officially list the minor they earned at Georgia Tech. Once added, alumni become searchable in a directory based on location, company, career field, major, and skillset. This directory can also be queried by keyword to find alumni with expertise in anything from machine learning to corporate finance to diversity and inclusion. There are currently 537 registered alumni, which is an 88% participation rate. We also have 1,204 followers of this LinkedIn page.

Students, alumni, corporate affiliates, and headhunters can use the alumni directory to find experts, future colleagues, mentors, speakers, and former classmates. It has connected alumni in Chicago, who found out that they graduated from the same high school, for recruitment, and even internal to Google for lunch networking. Current students have used the directory to reach out to alumni who worked at their target companies, navigating being an F-1 visa holder, and advice on pursuing an MBA. Corporate affiliates can now easily target alumni for recruitment. It has also facilitated city-specific alumni networking.

The T&M Program’s dynamic public presence on LinkedIn enables connectivity and relationships in a way that wasn’t possible before. These relationships have the potential to drive innovation, build community, and impact future income. You can access the page at:

With the T&M LinkedIn page, we can post public content about our program, students, corporate affiliates, and alumni. Between February 2020 and February 2021, the page had 6,855 total page views, 152,703 organic impressions spaced out over 66 unique posts, and an 8.4% engagement rate. To give some context, for LinkedIn, anything above 2% is considered outstanding and 0.54% being the average. Additionally, we partner with the Scheller College of Business to amplify their LinkedIn content through our audience.
Community Building Events

The T&M Program understands that a strong community fosters academic success and future alumni engagement. When the opportunity presents itself, and the student interest is there, the program has financially backed additional opportunities for our scholars. Over the last year, we sponsored the Ideas to Serve competition through the Institute for Leadership and Social Impact. The competition allows Georgia Tech students to explore social problems for the problem discovery track or solve a problem in the ideas track.

Administrative Events

Lastly, when it comes to running the T&M Program, certain administrative events allow us to recruit potential students, welcome the newly admitted students, help students build community, and then celebrate our program’s graduates.

The academic year kicked off with the virtual Fall Orientation for both the Class of 2021 and the Class of 2022. At this event, the Class of 2021 students had a chance to welcome the Class of 2022 and pass on advice.

Every October, we host a Prospective Student Information Session during the application period, which ends at exactly 11:59 pm on October 31 every year. Administrative Director Bob Burgess led the meeting, shared a pre-recorded student video, and fielded questions from prospective students. The video addressed all aspects of the program and the three minors. Over 100 prospective students attended the event.

On March 1, 2021, after admissions decisions had been made, we hosted a virtual Orientation and Welcome event to introduce the newest students from the Class of 2023 to each other and the corporate affiliates. We met on Gatherly, and Sheena Brown facilitated multiple networking sessions with pre-assigned corporate affiliate “breakout rooms.” Before the event concluded, students could mingle freely to revisit rooms or talk to affiliates they hadn’t met yet.

Denning Awards

Class of 2020 Best Capstone Project 1st Place: Caterpillar won based on the criteria of milestone completion and quality, feedback from corporate sponsors, and teamwork.

<table>
<thead>
<tr>
<th>Caterpillar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roberto DeVarona, MSE</td>
</tr>
<tr>
<td>Kevin Kane, IE</td>
</tr>
<tr>
<td>Andrew Maze, BA</td>
</tr>
<tr>
<td>Brandon Rozniecek, CHBE</td>
</tr>
<tr>
<td>Emily Salmond, BA</td>
</tr>
</tbody>
</table>
Class of 2020 Best Capstone Project 2nd Place: Steelcase won based on the criteria of milestone completion and quality, feedback from corporate sponsors, and teamwork.

<table>
<thead>
<tr>
<th>Steelcase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mugdha Apte, BMED</td>
</tr>
<tr>
<td>Josh Chan, COD</td>
</tr>
<tr>
<td>Ben Warntler, BMED</td>
</tr>
<tr>
<td>Lauren Wilch, BMED</td>
</tr>
</tbody>
</table>

Class of 2020 Best Capstone Presentation 1st Place: This year, Georgia-Pacific Operations won for their outstanding work on their capstone presentation.

<table>
<thead>
<tr>
<th>GP-OPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex Dunaway, BA</td>
</tr>
<tr>
<td>Morgan Knowlton, IE</td>
</tr>
<tr>
<td>Melissa Navarro, ITM</td>
</tr>
<tr>
<td>Isabella Pappaserra Genao, IE</td>
</tr>
<tr>
<td>Liz Rice, ITM</td>
</tr>
</tbody>
</table>

Class of 2020 Best Capstone Presentation 2nd Place: NCR won second place for their outstanding work on their capstone presentation.

<table>
<thead>
<tr>
<th>NCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosu Cefalu, CS</td>
</tr>
<tr>
<td>Vaishu Merugu, COD</td>
</tr>
<tr>
<td>Ashlyn Sasser, COD</td>
</tr>
<tr>
<td>Mia Schwartz, BA</td>
</tr>
<tr>
<td>Erin Shinners, IAC</td>
</tr>
</tbody>
</table>
Class of 2021 Outstanding Student Awards:

This year, we are proud to recognize six students with the “Class of 2021 Outstanding Student Award.” These students were chosen based on nominations from corporate affiliates, with final decisions based on consensus deliberations by T&M faculty and staff.

Katie Anderson (BA-Strategy, Siemens Digital capstone team), Nikita Dani (BA-ITM, Equifax capstone team), and Valeria Boesch Neira (EE, Southwire Company capstone team).

Elizabeth Rice (BA-ITM, Georgia-Pacific LLC OPS capstone team), Sebastian Russell (BA-Finance, Siemens Training capstone team), and Emily Salmond (BA-Finance, Caterpillar Inc. capstone team).

Class of 2022 Outstanding Student Awards:

The Class of 2022 student awards were based on nominations from your professors, with final decisions based on consensus deliberations by T&M faculty and staff.

Cameron Bell (BA-Strategy), Jack Fernandez (CS), Aleksandr Kalenchits (CS), and Nicholas Rokos (ME).
Scholarships

**Robert L. Branner, Jr. Scholarship:** The Robert L. Branner, Jr. Scholarship Endowment Fund was established in 2011 to be awarded to students who have been selected to participate in the Steven A. Denning Technology & Management Program.

Elizabeth Rice, BA-ITM

**Denning Technology & Management Program Scholarship:** The Denning Technology & Management Program Scholarship was established to support Denning T&M Program students that do not qualify for the other more specific scholarships.

Evan Campbell, Psychology
Courtney Canouse, BA
Joshua Chan, Industrial Design
Carlota Guruceaga, CS
Shivani Mehrotra, EE
George Missailidis, Industrial Design
Kimberly Molina-Veronico, History, Technology, and Society
Salina Nihalani, CS
Raveena Vellingiri, Neuroscience
**Holland-Roller Scholarship:** The Holland-Roller Endowment Fund was established by the donor for Denning T&M undergraduate College of Engineering students at the Georgia Institute of Technology. The scholarship is in memory of L. Aubry Holland, ME 1937 (1915-2003).

Surya Akella, IE  
John “Thomas” Alexander, ME  
Ryan Anderson, IE  
Mugdha Apte, BME  
Zachary Bellis, ME  
Sullivan Berry, BME  
Miguel Bethancourt, ME  
Valeria Boesch Neira, EE  
Alexandre De Souza Andrade, IE  
Gururaj Deshpande, BME  
Rob DeVarona, MSE  
Edward Diller, ME  
Matthew DoVale, ME  
Kennedy Eltz, EE  
William Gay, IE  
Stephen Hellier, ME  
Fuad Hossain, IE  
Noah Joyce, CMPE  
Kevin Kane, IE  
Connor Koelsch, ME  
Rishav Kumar, IE  
Nicholas Meyer, CMPE  
Tyler Michael, ME  
Drew Nizialek, IE
Laughter Scholarship: The Laughter Scholarship Endowment Fund was established by the donor to be awarded to Aerospace Engineering undergraduate students at the Georgia Institute of Technology who have been selected to participate in the Steven A. Denning Technology & Management Program.

Amber Shell, AE

Lonnie A. “Aubry” Holland Technology & Management Scholarship: Aubry Holland was the founder of the Holland-Underwood Foundation, and this scholarship is in his memory.

Katherine Anderson, BA
Michael Carter, BA
Nikita Dani, BA-ITM
Angela Deng, BA-ITM
Alexander Dunaway, BA
Andrew Maze, BA
Allison Nastasi, BA
Melissa Navarro, BA-ITM
Emily Salmond, BA
Reid Schulz, BA-ITM
Mia Schwartz, BA
Conor Walsh, BA


Sidharth Balaga, BA
Claire Boerner, BA-ITM
Michael Carter, BA
Isabel Evans, BA
Judy D. and Stephen P. Zelnak Jr. Denning Technology & Management Program Scholarship: The scholarship endowment fund was established by the donor Stephen P. Zelnak, Jr., IM 1969, to be awarded to students who have been selected to participate in the Steven A. Denning Technology & Management Program.
MBA Mentor Initiative

In the spring of 2016, we began an initiative to support our undergraduate students with full-time MBA students. The list of past MBA Mentors includes Rob Smith, Carson Moore (T&M alumnus from the Class of 2011), Zach McClure, Elizabeth Noe, Jack Beall, and Stephen Spicher.

For the Class of 2021 Capstone projects, there were a total of eight MBA Mentors - Julie Deng, Eric Frey, Shrinka Roy, and Luke Sewell (hired in the fall of 2019) and Chris Arms, Charles Blondeau, Scott Spencer, and Kyle Winkler (hired in the fall of 2020). The 12 projects for the Class of 2021 were divided into four groups, with two mentors assigned per group as a team, one mentor from the group hired in fall 2019, and one from the group hired in the fall of 2020 MBA mentors.

<table>
<thead>
<tr>
<th>MBA Mentor Team</th>
<th>Capstone Projects for the Class of 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Julie Deng &amp; Chris Arms</td>
<td>Caterpillar, CDC, and Naval Nuclear Labs (NNL)</td>
</tr>
<tr>
<td>Eric Frey &amp; Charles Blondeau</td>
<td>Boeing, Siemens Training, and Southwire</td>
</tr>
<tr>
<td>Shrinka Roy &amp; Kyle Winkler</td>
<td>NCR, Steelcase, and Ware2Go</td>
</tr>
</tbody>
</table>

All efforts mentor efforts were focused on coaching the teams with their writing, presentations, and business cases. MBA Mentors worked about five hours per week. Feedback from the T&M capstone teams was solicited with overwhelming support for the value added by the MBA Mentors. The plan going forward is to hire four new MBA Mentors each fall, so that at any one time, there are eight to distribute between the capstone projects.
Class of 2021 Capstone Projects

The backbone of the Denning T&M Program is the capstone project. Each year, our second-year students carefully weigh their options and select five projects (ranking them 1 – 5 as well) where they believe they will be able to contribute significantly and learn the most. Then the T&M Program faculty and staff carefully form the teams using a wide array of criteria. This academic year we had 12 projects split between our 56 Class of 2021 cohort members.

In March 2021, students Surya Akella, Colin O'Mara, Valeria Boesch Neira, and Ally Nastasi joined their capstone sponsors from Southwire Company for a COVID-safe telecom site visit. Along with their sponsors, the students conducted valuable research to aid them in their project this semester.
Boeing: Designing a Modular Inlet Assembly Tool

Corporate Sponsors: Ryan Kerns (T&M alumnus), Nick Norman, Rob Stoker, and Stacie Sire

MBA Mentors: Eric Frey and Charles-Philippe Blondeau

“The team with Dr. Han Zhang.”
Caterpillar (Best Capstone Project - First Place): Leading Caterpillar Towards a Sustainable Future

Corporate Sponsors: Robert Miller and Tony Agusti

MBA Mentors: Christopher Arms and Julie Deng

<table>
<thead>
<tr>
<th>Caterpillar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roberto DeVarona, MSE</td>
</tr>
</tbody>
</table>

“Our team is working to improve Caterpillar’s sustainability efforts in their Clayton, NC facilities by reducing their greenhouse gas emissions, water consumption, and total energy usage.”

The team with Dr. Han Zhang
Centers for Disease Control and Prevention: Aggregated Locally

Corporate Sponsor: Joel Kimmons

MBA Mentors: Julie Deng and Christopher Arms

“The CDC team is creating a platform with supporting business documents to aggregate restaurant orders and utilize economies of scale at local farms to gain competitive prices for healthier and fresher produce.”

The team with Dr. Han Zhang.
**Equifax: Equifax Customer Decisioning Tool**

Corporate Sponsors: Jeff Dugger, Sarah Harbison, Meredith Trotta, and Christopher Yasko

MBA Mentors: Luke Sewell and Scott Spencer

```
<table>
<thead>
<tr>
<th>Equifax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nikita Dani, ITM</td>
</tr>
</tbody>
</table>
```

“Helping lending institutions make more informed lending decisions by providing them with prescriptive analytics derived from Equifax credit data.”

The team with Dr. Han Zhang.
**Georgia-Pacific – Operations (Best Capstone Presentation - First Place): GP Stands for Great Project**

Corporate Sponsors: Ronald Traub, Todd Schleicher (T&M alumnus), Angela Como (T&M alumna), and Lisa Carlson (T&M alumna)

MBA Mentors: Luke Sewell and Scott Spencer


<table>
<thead>
<tr>
<th>GP-OPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex Dunaway, BA</td>
</tr>
<tr>
<td>Morgan Knowlton, IE</td>
</tr>
<tr>
<td>Melissa Navarro, ITM</td>
</tr>
<tr>
<td>Isabella Papparella Genao, IE</td>
</tr>
<tr>
<td>Liz Rice, ITM</td>
</tr>
</tbody>
</table>

“Creating a tool that allows facility managers to understand if their fleet of automated guided vehicles (AGVs) are able to handle a proposed production plan.”

The team with Dr. Han Zhang.
NCR (Best Capstone Presentation - Second Place): NCR Concierge: Digitally Disrupting Hospitality

Corporate Sponsors: Ellen Brown, Rakesh Patel, Tony Burdett, and Dirk Izzo

MBA Mentors: Shrinka Roy and Kyle Winkler

“The NCR Capstone team is developing a platform that will enhance the in-restaurant dining experience and improve stakeholder communications.”

The team with Dr. Han Zhang.
Navy Nuclear Labs: Analysis of The Economic Feasibility of Nuclear Propulsion Systems in Naval Vessels

Corporate Sponsors: Vince Pantloni, Peter Rosecrans Sr., Brandon Viloria, and Kelly Rose Harter

MBA Mentors: Christopher Arms and Julie Deng

“The goal of our project is to create a financial model and identify cost savings opportunities that can be used by NNL as they assess the feasibility of converting ships from conventional power to nuclear power for the United States Navy.”
Siemens Digital: Expansion of Sietrace

Corporate Sponsors: Clayton French, Malika Tandon, and Richard Bandekow

MBA Mentors: Luke Sewell and Scott Spencer

<table>
<thead>
<tr>
<th>Siemens Digital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katie Anderson, BA</td>
</tr>
<tr>
<td>Alexa Cobo, ITM</td>
</tr>
<tr>
<td>Louis Grady, ME</td>
</tr>
<tr>
<td>Kim Molina-Veronico, IAC</td>
</tr>
<tr>
<td>Kavya Vrid, IE</td>
</tr>
</tbody>
</table>

“This project focuses on adapting a COVID-19 social distancing and contact tracing application to prevent injuries and promote safety in manufacturing environments.”

The team with Dr. Han Zhang.
Siemens Training

Corporate Sponsors: Brian McElroy, Marshall Hunter, and Richard Bandekow

MBA Mentors: Charles-Philippe Blondeau and Eric Frey

<table>
<thead>
<tr>
<th>Siemens Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devika Dutt, BA</td>
</tr>
<tr>
<td>Carson Myers, COD</td>
</tr>
<tr>
<td>Sebastian Russell, BA</td>
</tr>
<tr>
<td>Ahan Shah, CS</td>
</tr>
<tr>
<td>Liz Welsko, IAC</td>
</tr>
</tbody>
</table>

“The goal of our project is to help Siemens discover the best-in-class virtual training methods and mediums to aid in transferring knowledge and onboarding salespeople to be integrated in 2022.”

The team with Dr. Han Zhang.
Southwire: 5G Telecom Surge Protection Device

Corporate Sponsors: Alex Bunda, Tom Caldwell, and Charles Hume

MBA Mentors: Charles-Philippe Blondeau and Eric Frey

“The Southwire Capstone team is developing a market entry strategy and product concept for Southwire to enter and gain market share in the 5G telecom industry.”

The team with Dr. Han Zhang.
Steelcase (Best Capstone Project - Second Place): Exoskeleton Evaluation Plan

Corporate Sponsor: Edward Vander Bilt

MBA Mentors: Shrinka Roy and Kyle Winkler

<table>
<thead>
<tr>
<th>Steelcase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mugdha Apte, BMED</td>
</tr>
<tr>
<td>Josh Chan, COD</td>
</tr>
<tr>
<td>Ben Warstler, BMED</td>
</tr>
<tr>
<td>Lauren Wilch, BMED</td>
</tr>
</tbody>
</table>

“Evaluation of Exoskeleton implementation for Steelcase’s distribution center workers.”

The team with Dr. Han Zhang.
Ware2Go: Innovative Approach to Cycle Counting

Corporate Sponsors: Addie Cleary (T&M alumna), Mary Kathryn Elliott (T&M alumna), and Brian Gallagher

MBA Mentors: Shrinka Roy and Kyle Winkler

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eddie Diller, ME</td>
<td>William Groover, CS</td>
<td>Noah Joyce, CMPE</td>
<td>Reid Schulz, ITM</td>
<td>Amber Shell, AE</td>
</tr>
</tbody>
</table>

“The Ware2Go team is seeking to improve the accuracy and efficiency of Ware2Go’s current cycle counting process through the use of RFID technology.”

The team with Dr. Han Zhang.
Georgia Tech
Denning Technology & Management Program
Class of 2021