LLOYD TETA

Atlanta, GA • (470) 838-0524 • lteta3@gatech.edu • www.linkedin.com/in/lloyd-teta/

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Scheller College of Business **Atlanta, GA**
Master of Business Administration (MBA) *August 2026*
- Honors: Merit Based Scholarship
- Concentrations: Strategy and Innovation; Entrepreneurship

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering **Atlanta, GA**
Doctor of Philosophy, Aerospace Engineering *August 2026*
- Thesis: A framework for concurrent design and fleet operations optimization of drone based last-mile delivery networks
- Advisor: Prof. Dimitri Mavris, Aerospace Systems Design Laboratory
- Honors: Fully Funded Graduate Research Assistantship

Master of Science, Aerospace Engineering *August 2023*
- Thesis: Reliability Based Optimization of Hybrid Electric Aircraft

ASHESI UNIVERSITY **Accra, Ghana**
Bachelor of Science, Mechanical Engineering *June 2021*
- Honors: Fully Funded Mastercard Foundation Scholarship; President's Scholarship, Leadership & Citizenship Award
- Leadership: Wiki Club Vice President, African Transformers President, Peer Tutor, IMechE Student Chapter President

EXPERIENCE

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, GA**
Graduate Research Assistant - Aerospace Systems Design Lab *January 2025-Present*
FAA Sponsored: Probabilistic Unmanned Aircraft Systems Trajectory and Noise Estimation Tool
- Developed a computational software (RESONATE) that assess noise emissions from over 10,000 urban-based, drone flight scenarios to inform urban air mobility integration strategies for government and industry stakeholders
- Automated Python-based source noise processing, which reduced analysis time by 40% while enhancing data quality
- Presented research findings at INFORMS and POMS conferences and in review meetings with FAA sponsor

GULFSTREAM AEROSPACE CORPORATION **Savannah, GA**
Graduate Intern - Aircraft Systems Safety Engineering *August 2024-December 2024*
- Conducted requirement validation & verification in DOORS for 500+ safety requirements for ARP4754A compliance
- Converted G800's Display & Warning System fault trees to G400 using Computer Aided Fault Tree Analysis(CAFTA)
- Created new hazard requirements for Display & Warning System and performed SFHAs for CS-AWO compliance

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, GA**
Graduate Research Assistant - Aerospace Systems Design Lab *May 2022-August 2024*
NASA Sponsored: Uncertainty Quantification for Electrified Powertrain Flight Demonstration (EPFD)
- Collaborated with NASA to pioneer Electric Propulsion Systems for commercial aviation
- Leveraged Artificial Neural Networks to construct EPFD vehicle surrogate models with 98% accuracy
- Performed uncertainty quantification analysis for hybrid-electric propulsion that informed NASA investment decisions
- Delivered actionable insights to NASA leadership through bi-weekly and quarterly presentations

Graduate Teaching Assistant- Fundamental of Thermal-fluid Sciences Course *August 2021-May 2022*
- Crafted and provided illustrative thermodynamics problems and solutions for 120 undergraduate engineering students
- Graded assignments and provided targeted, constructive feedback to improve student understanding and performance
- Led recitation sessions to clarify complex concepts

FLIGH TECHNOLOGIES PVT LTD (FLIGHTECH) **Harare, Zimbabwe**
Co-Founder & Strategy Lead *May 2021-December 2023*
- Co-founded a drone-based logistics startup to deliver essential medical supplies in Zimbabwe
- Secured $50,000 grant by developing financial models and presenting the investment case, directly funding the company's operational launch
- Developed the company's strategic roadmap, including a phased market-entry approach, and diversification into agricultural applications

- Utilized case studies and economic forecasts to secure government partnership and regulatory approval for drone operations

UNIVERSITY OF OXFORD, Skoll Centre for Social Entrepreneurship **UK**
Ashesi's Map The System team Lead *January 2020-May 2020*

- Conducted 22 stakeholder interviews (vendors, NGOs, residents, policymakers) and policy analysis to map systemic drivers of plastic waste in Accra, Ghana
- Identified leverage points (formalizing informal waste collectors, localized recycling incentives) and presented findings at Oxford's Map The Systems Competition
- Selected as Top 6 Global Finalist among 3,500 teams for systems thinking and actionable solutions

ADDITIONAL INFORMATION

Software: Python, ANSYS, MATLAB, R,UAF, DOORS, CAFTA, AutoCAD, JMP, SOLIDWORKS, Microsoft Office
Skills: Project management, product development, strategic analysis, data & financial modeling , grant writing, stakeholder interviews, survey design, client presentations, report writing
Affiliations: American Institute of Aeronautics and Astronautics, National Society of Black Engineers
Other Awards: Hackathon Winner (US $50,000), Postal and Telecommunications Regulatory Authority of Zimbabwe**,** 2020
2nd runner up (US$2000), Ekipa's battery housing design for future challenge, 2020
Global Finalist, Map The System, University of Oxford's Skoll Centre for Social Entrepreneurship**,** 2020
Sustainable Ocean Alliance's Bootcamp Champion Trophy Award, 2019
Named in top 100 Young leaders by Sustainable Ocean Alliance**,** 2019
Millennium Ocean Prize Winner (US$5000)**,** 2018