

Frederic V. Bien

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SUMMARY

- 10 years experience in teaching and research in mathematics at top ranked universities
- 21 years experience in interactive technologies, software, social media marketing, media buying.
 - ❖ 8 years in large companies, including Turner Broadcasting and TimeWarner, in technical and financial management, digital media, business systems, networks and studio operations.
 - ❖ 8 years in entrepreneurial startup companies, leading technology development, and sales.
 - ❖ 5 years experience in non-profit org for health care, with strong growth in social media.

SKILLS

- Large classroom teaching and course coordinating: 4-course calculus sequence with multiple sections.
- Small classroom teaching of advanced math: algebraic/differential geometry, groups, ODEs, PDEs.
- Proven experience in managing business operations efficiently for rapid growth or turnaround.
- People leadership, team building, technical and UI product design, financial accountability.
- Specialized in technology-based processes, esp. interactive media and mental health.
- Executive presentations, fundraising and company digital transitions and exits.

BUSINESS EXPERIENCE

Emory University, Department of Mathematics, Atlanta GA 2018 to Present

Visiting Assistant Professor

Teaching a full course load: Fall 2018: Different Equations (Math 212) and Linear Algebra (Math 221);
Spring 2019: Linear Algebra (Math 221) and Math for Quantitative Sciences (QTM 120).

Community On Call, Atlanta GA 2016 to Present

CEO

Startup project created from PDAN and incubated at Flashpoint at Georgia Tech.

Focus on technology development to activate communities of healthcare with e-mentoring services.

Developing applications for education to help students with mentoring for classwork & behavior.

PDAN, Atlanta GA 2012 to Present

Executive Director

Turnaround of an organization founded in 2001. Focus on increasing public awareness of personality disorders, alleviating their impact on families, and preventing the development of disorders in children. Launched children books and Facebook pages now reaching 3-5 million people per month with a very high level of engagement. Recruited and trained 50 volunteers. Partnerships with universities for research studies. Work with sufferers and family members on education, peer support, e-mentoring services. Received grants from foundations and pharmaceutical companies.

BLiNQ Media, Atlanta GA

2008 – 2010

Co-Founder, President and VP Media & Technology

BLiNQ was a leading innovator of Social Engagement Advertising solutions for agencies and big brands. BLiNQ's technology and managed services delivered quality brand engagement at scale by driving rapid, measurable results with in-depth audience insights. BLiNQ Ad Management (BAM) platform automated ad campaign planning, setup, management, optimization and insights. I led the technology development of BAM and our collaboration with Facebook APIs. Worked on campaigns for clients such as: AT&T, Delta Air Lines, ING Financial Services, Sony-Ericsson. BLiNQ was acquired by Gannett in 2012.

TimeWarner Cable and AOL, Stamford CT & New York

2005 – 2006

Consultant to Presidents of Ad Sales

Developed ad sales products, strategy, and presentations for "Ads on Demand and Active Advertising" for TW Cable sales force. Presented at Annual TW Cable Sales Managers Meeting. At AOL, worked on clarifying and implementing sales strategies and team structure for internet video / interactive TV.

Time Warner, Turner Broadcasting System, Atlanta GA

2001 – 2004

Senior Vice President Media Technology

First 3 years: Lead technology executive for Turner Entertainment Networks. Responsible for managing four technology groups: Interactive Digital Entertainment, Broadcast Technology, Studio Technology, and Business Systems Development, comprising eventually 205 employees and over \$53 million in annual capital budget. Justified the need for new ad sales & traffic system, better integrated with digital media and Nielsen audience ratings. Oversaw launch of TNT Hi-Def, several networks VOD, and creation of GameTap, Turner's interactive gaming broadband network.

4th year: Promoted to role overseeing the launch of digital consumer products for CNN and Turner Entertainment Networks. In charge of technology-based new products, such as advertising on digital video recorders (DVRs), broadband networks, new advertising systems, video distribution on wireless networks, etc. Organized executive meetings between Turner and Nielsen Media about DVR measurements of TV viewing. Led Turner relations with TiVo, Microsoft and Qualcomm.

Bigstar Entertainment, Inc., New York NY

1999 - 2000

VP Marketing Technology and CTO

Managed 60 technology and customer service staff for NASDAQ-listed company selling movies (VHS/DVD) over the Internet. Responsible for daily integration of online catalogs of 50,000 movie titles from Rentrak and Muze; internet streaming of 2,000 movie trailers; and ICVerify and Paymentech credit card gateways. Led email direct marketing division Advaya (now Epsilon Interactive).

High Technology Solutions, Inc., San Diego CA

1997 – 1998

Chief Scientist

Oversaw HTS software development for multimedia PC kiosks. HTS was a 400-employee government service contractor. Negotiated and signed licensing agreement with third party developer that saved 2/3 costs. Brought computer visualization expertise for HTS's foray into commercial and city government sectors. Developed HTS's relationship with Intel Corp., which led to a sizable VC investment by Intel.

Bien Logic, Inc., San Diego CA

1993 – 1997

CEO

Founded company as software publisher for handheld devices. Evolved into: 1) Interactive ad agency with accounts such as: Sempra Energy, Lucent, Saturn Cars, San Diego Zoo. In 1995-1997, largest web agency in San Diego and Orange counties with over 30 accounts. 2) Software Products: SurfReport and ProxyReport. Clients: Netscape, Oracle, Wal-Mart, Xerox, Hewlett-Packard, Epoch, Smithsonian Institute. Sold web agency to Sitelab, 1997, and software company to Tibco, 2010.

PREVIOUS ACADEMIC CAREER

University of California San Diego, La Jolla, CA

1993 – 1996

Associated Professor of Mathematics

Tenured faculty member

Alfred P. Sloan Research Fellowship.

University of Utah, Salt Lake City, UT

1992 – 1993

Associated Professor of Mathematics

Visiting professor

Princeton University, Princeton, NJ

1986 – 1992

Assistant Professor of Mathematics

Presidential Young Investigator, National Science Foundation.

Princeton Univ. President's Award for Distinguished Teaching.

BIBLIOGRAPHY

Wrote one research book and twelve mathematics research papers in peer-reviewed publications.

See list on next page.

EDUCATION

Master in Quantitative and Computational Finance, **Georgia Institute of Technology**, 2015

Studied part-time in 2010 to get a degree in quantitative finance and data analysis.

Interrupted my studies in 2012-2013 due to other commitments. Went back part-time in 2014.

Ph.D. in Mathematics, **Massachusetts Institute of Technology**, 1986 – Group Representation Theory

Alfred P. Sloan Doctoral Dissertation Fellow, DeCorte MIT Fellow, Belgian American Educ. Foundation

Bachelor of Science, Mathematics, **Université Libre de Bruxelles**, Belgium, 1983

with Teacher Certification degree (Agrégé de l'enseignement secondaire)

Bibliography

1. Affine Weyl groups with involutions. *Canadian Math Soc. Conf. Proc.*, vol. 6, *Algebraic Geometry*, Vancouver, (July 1984), pp. 11--17.
2. Spherical D -modules and representations on symmetric spaces, *Bulletin Soc. Math. Belgique*, Ser. A, **38** (1986) 37--44.
3. On the structure and the representations of $Dif S^1$. *Preprint Inst. Adv. Study*, Princeton NJ, (Jan 1988).
4. Constructions of telephone networks by group representations. *Notices A.M.S.*, **36** (1989) 5--22.
5. An application of the Ramanujan bounds to communication networks. *Journal Ramanujan Math. Soc.*, vol. 3 (1988) 1-34. Ramanujan Birth Centenary Spec. Iss.
6. Global representations of the group of diffeomorphism of the circle, *Infinite dimensional Lie algebras and groups*, Ed. V. Kac, (1989) 89--107, Pub. World Sci.
7. *D-modules and spherical representations*. Book/Monograph, Mathematical Notes Series, vol. 39, Princeton University Press, 1990, 130 pages.
8. Orbits, Multiplicities and Differential Operators, *Proc. Conf. Lie groups and symmetric spaces*, College Park 1991, Ed. J. Adams & R. Lipsman, *Contemp. Math.*
9. (with A. Borel) Epimorphic subgroups of affine algebraic groups I, *C.R. Acad. Sci. Paris*, Ser. I, **315** (1992) 649--653.
10. (with A. Borel) Epimorphic subgroups of affine algebraic groups II, *C.R. Acad. Sci. Paris*, Ser. I, **315** (1992) 1341--1346.
11. (with A. Borel) Basic properties of epimorphic subgroups. *Preprint Inst. Adv. Study*, Princeton NJ, (July 1994).
12. (with M. Brion) Automorphisms and local rigidity of regular G -varieties, *Compositio Math.*, **104** (1996), 1--26
13. (with A. Borel and J. Kollar) Epimorphic subgroups and rationally connected varieties. *Invent. Math.*, **124** (1996) 103--127.

Lectures and Invited Talks

About 50 invited lectures at universities (other than where I was employed) and presentations at scientific conferences between 1986 and 1996. Here are representative examples:

USA: MIT; Stanford Univ.; Math Sci. Research Institute, Berkeley; Columbia University; Univ. of Maryland; Univ. of Utah; AMS Summer Meeting on Algebraic Groups; Penn State Univ.; Rutgers Univ.; Inst. Advanced Study, Princeton; Univ. of Rochester NY; **Canada:** Univ. British Columbia. Univ. Montreal. **Brazil:** Inst. Mat. Pura Applic. Rio De Janeiro; Univ. de Salvador. **Denmark:** Group Conf. in Sonderborg; **France:** Univ. Paris VI; Univ. de Grenoble. **Germany:** Oberwolfach. **China:** Beijing Univ.; Zong-Shan Univ. Guang-Zhou; Hong-Kong Univ. **Japan:** University of Tokyo; Kyoto Univ. **Philippines:** Univ. of Philippines. **Singapore:** National Univ. Singapore. **Taiwan:** Academia Sinica, Taipei; Tsing-Hua Univ. **Thailand:** King Mongkut Univ.; Chulalongkorn Univ. Bangkok.