

IVAN BERCOVICH

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LIFE FEED – what am I up to right now

- Training for an expedition to climb the tallest mountain in the Western and Southern hemispheres- Mt. Aconcagua- in order to raise funds to be used for colon cancer research. Trip scheduled to happen on the second half of December 2010.
- On the side: Advising four early stage startups—participation ranges from defining the product core features in a social networking company to building a “2.0” gourmet burger restaurant.
- For fun: Mentoring a high school student with a wireless power based science fair project titled “A World of Wireless Power: Turning Nikola Tesla's Vision Into a Modern Reality-as of 4/15/2010, he has been awarded a 2nd place in the local competition and a pass to the state fair.

EDUCATION

University of California, Santa Barbara

Masters: (May 2012)

Phd degree in Statistics and Applied Probability with emphasis in Financial Mathematics

University of Massachusetts Amherst

(May 2009)

BS in Electrical Engineering, *Summa Cum Laude*. GPA 3.95/4.00

BS in Mathematics with individual concentration in Financial Mathematics, *Summa Cum Laude*. GPA 3.97/4.00

- Commonwealth College Departmental Honors with greatest distinction, Top 2% of class
- Thesis: “Study of the limitations of the common mean as a financial metric through the analysis of long term investment strategies”
- Senior design project “A Personal Head-Up Display” won several competitions and was featured in the *Boston Globe* newspaper.
- Received *21st Century Leader Award* for contributions to the university by exceptional achievement and enhancing the reputation of the campus

HONORS

Dean’s Fellowship-1st year PhD

Armstrong Scholar Award

Citation by Representative Tom Sannicandro

Drewes Fund Scholarship

Melvin Howard Scholarship

William L. Everitt Student Award of Excellence

UMass and GE Scholarship

21st Century Leader Award

Student Choice Award Senior Design Competition

Alfred Drewes ’78 Scholarship

1st Prize at Senior Design Competition

2nd Prize at RIT IEEE Senior Design Competition

IEEE Outstanding Junior Award

Citation by Senator Karen E. Spilka

Joseph and Elizabeth Rountree Merit Scholarship

IEEE Outstanding Senior Award

RELEVANT EXPERIENCE

User-Centric Design Engineer

(Jun 2009-Apr 2010)

Cisco Systems, San Jose CA

- Worked in an eight-person team to build the user experience for Cisco’s next generation collaboration ecosystem for the enterprise.
- Developed permissions model which eased scalability while supporting complex privacy schemes such as the “ethical wall”.
- Performed both quantitative and qualitative user experience research, including usability testing, A/B testing, site analytics and user surveys.
- Developed interaction design standards and patterns; created highly usable interfaces for complex, enterprise-level web-based applications.
- Responsible for information architecture deliverables including wireframes, site maps and page flow documentation.

(Jun 2008-Aug 2008)

Undergraduate Researcher

Sponsored by the National Science Foundation

- Worked in an interdepartmental venture with a PhD student in the Food Science department and Engineering Professor Pishro-Nik
- Constructed a comprehensive literature review from internet searches and journals to assess the patentability of the project
- Reviewed original design in order to bypass obstructions presented by previous patents while maintaining desired functionality

(Jun 2007-Aug 2007)

Intern: Engineering Special Projects

United Technologies Fire and Security, Kidde-Fenwal

- Worked in a four-person team in the design and production of a handheld programmer for an existing fire alert support system
- Most aspects of the handheld unit development, including the completion of a working prototype, were done within three months

TEACHING EXPERIENCE

Teaching Assistant

(Sep 2007-Dec 2008)

University of Massachusetts Amherst, Electrical Engineering Department

- Head teaching assistant for Circuit Analysis. Teaching assistant for Computer Systems Lab

(Sep 2006-May 2009)

Certified Academic Tutor

University of Massachusetts Amherst, Learning Resource Center

- Spent over 300 hours assisting students in the areas of mathematics, physics, engineering, and Spanish

LEADERSHIP/AFFILIATIONS

The Dynamics of Leadership: Transformation and Innovation in the 21st Century, Manhattan, NY	(Nov 2008)
Monster's Diversity Leadership Program, San Francisco, CA	(Jul 2008)
IBM National Talent Mentoring Program	(Mar 2008-Oct 2008)
Inroads Leadership Development Institute, Nashville, TN	(July 2007)
Eta Kappa Nu, Electrical Engineering Honor Society, Treasurer	(May 2007-Present)
Golden Key International Honour Society	(Sep 2006-Present)
Society of Hispanic Professional Engineers, Web Master, Secretary	(Sep 2006-Present)
Institute of Electrical and Electronics Engineers	(Sep 2006-May 2007)

CONFERENCES/VOLUNTEER

Web 2.0 Expo, San Francisco, CA	(May 2010)
TEDxSF, San Francisco, CA	(Apr 2010)
South by Southwest Interactive Conference, Austin, TX	(Mar 2010)
Cisco SecCon, San Jose, CA	(Oct 2009)
Habitat for Humanity, New Orleans, LA	(Mar 2008)
Sustainable Growth: Taking Responsibility for the Future, Manhattan, NY	(Nov 2007)
SHPE National Technical and Career Conference, Philadelphia, PA	(Oct 2007)

ADDITIONAL COURSEWORK

Graduate Level: Communications & Signal Processing, Probability & Random Processes, Information Theory, Statistics
 Other: Financial Engineering, Financial Mathematics, Advanced Financial Mathematics, Nanotechnology Seminar

COMPUTER PROFICIENCY

Mathematica, Matlab, Verilog/HDL, Assembly, Quartus, Java, C/C++, Python, HTML, Adobe Flash, Pspice, Microsoft Office

LANGUAGE SKILLS

Native Spanish, Fluent English