

ZHECHEN (MARY) HONG

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA June 2010
Dual B.S. degrees in Mechanical Engineering and Management Science (Finance); Minor in Economics **GPA: 4.6**
SAT: Verbal 800, Math 790, Writing 800

RELEVANT EXPERIENCE

Center for Future Banking, MIT Media Lab and Bank of America, Cambridge, MA June – August 2008
Research Assistant

- Worked on team to design next-generation banking software that will help home-buyers make complex purchase and mortgage decisions in the face of overwhelming information and tradeoffs
- Created decision model and initial GUI prototype in Adobe Flex that considers user experience, consumer behavior, aesthetics and simplicity; presented to bank executives with highly positive feedback

General Electric Engine Design Challenge MIT, Cambridge, MA February 21 – March 7, 2008

- Worked with team to design optimal parameters for turbofan engine based on existing baseline model to meet aircraft take-off thrust requirements with margin, minimize Specific Fuel Consumption and overall cost
- Pitched final design in team presentation to panel of GE engineers for one of three First Place winners out of 20

MIT Development Lab – Peru Team, Cambridge, MA – Peru September 2007 – February 2008

- Peru is a country with population of 27.6 million, where 51% live in poverty (<\$2/day) and 19% in extreme poverty
- Developed and disseminated appropriate technologies benefiting 600+ villagers around Cusco and Lima, including corncob charcoal, phase-change TB incubator, pedal-powered mill, hand-held corn sheller and water purification

Weiss Asset Management, Cambridge, MA (Part time) September - December 2007

- Analyzed and reported investment portfolio compositions using financial reports and Bloomberg to fund traders
- Determined bond funds proxies and currency hedges for various holdings

MIT Sloan School of Management, Cambridge, MA June – August 2007

Research Assistant, Chapter 11 Corporate Bankruptcy Project

- Analyzed over 10,000 Chapter 11 court dockets and compiled biographical database of national bankruptcy judges for research on the effects of background on judicial philosophy, Chapter 11 case decisions and long-run firm outcomes

Harmony-Line Inc., Cambridge, MA (6 hrs/wk) February – May 2007

Education Market Research Team

- Developed expansion proposal for the innovative MIT music composition software start-up including leading sales opportunities, key contacts and market strategy for their core product targeting the Boston Public Schools

LEADERSHIP/ACTIVITIES

MIT Society of Women Engineers, Cambridge, MA September 2006 - Present

Co-Advocacy Chair and member of Women's Orientation Committee 2008

- Advocate and organize events for the interest and well-being of women students at MIT promoting empowerment, diversity & life-balance in, often in collaboration with diverse student and institute groups
- Collaborated with diverse student and institute groups to organized six orientation events welcoming over 250 freshmen women to MIT, as well as highly popular Etiquette Dining workshop for Women's Week

MIT Sport Taekwondo, Cambridge, MA September 2007 - Present

- Team 1st place, National Collegiate Taekwondo Association Championships, Stanford, CA (2008)
- 1st Place, Cornell University Tournament 2008 in Women's Blue Belt Poomsae (forms)

MIT Career Fair 2007, Cambridge, MA June – September 2007

Director of Logistics, Career Fair Board of Directors

- Coordinated and negotiated all logistics of 2007 MIT Career Fair, which was attended by 350+ companies and 3000+ students with responsibilities including catering, booth assignments, set up, booking, volunteers and employer relations
- Brought in \$675K in revenues and \$515K in profits for SWE, Graduate Student Council and the Graduating Class

SKILLS

Computer: Proficient in Java, Matlab, Microsoft Office (Excel, PowerPoint, Word), Outlook; Adobe Flex, Bloomberg
Languages: fluent Mandarin, 4 years of French