Pantea Khodami

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EDUCATION

Massachusetts Institute Of Technology **Cambridge, MA**
Masters of Engineering in Materials Science and Engineering *February 2011 (expected)*
Thesis: An Evaluation of Novel Lipid-Enveloped Nanoparticles for Adjuvant and Antigen delivery for an HIV Vaccine

Massachusetts Institute Of Technology **Cambridge, MA**
Bachelor of Science in Materials Science and Engineering with a minor in Management *June 2009*
Relevant coursework includes: Marketing Management, Corporate Accounting, Marketing Strategy, International Trade, Macroeconomics, Microeconomics, and Finance Theory
GPA: 4.94/5.0

EXPERIENCE

Illumina, Inc. **San Diego, CA**
Product Marketing Intern *June-August 2010*
- Performed extensive market research and analyzed over 300 scientific papers to compare the use of Illumina products against a major competitor
- Collaborated with legal & corporate marketing divisions to launch a new scientific forum designed to provide a venue for customers to connect and increase their ease of access to control data
- Increased awareness of Illumina's database of genotype information via a variety of marketing tools such as designing brochures, introducing a customer reward system, and developing a customer email system

MIT— Materials Science and Engineering Department **Cambridge, MA**
Materials Engineering Senior Project *September-December 2008*
- Designed and fabricated a fully recyclable and easily portable drip irrigation system for implementation in Third World nations facing water deficiency
- Evaluated the trade-offs between design, processing, performance and cost to minimize the production cost; fabricated a system with a cost less than 20% of the market price

British Columbia Children's Hospital/ University of British Columbia (UBC) **Vancouver, BC**
Materials Engineering Intern *June-August 2008*
- Improved the algorithm of a vibro-tactile device, a tool to inform anesthesiologist about patient's condition, using Matlab software
- Served as a liaison between researchers at UBC and anesthesiologists to ensure collaboration and increase the efficiency of the device
- Performed clinical testing and analyzed the results, enhancing the performance of the system by 30%

Panasonic Boston Laboratory (PBL) **Cambridge, MA**
Materials Engineering Intern *June-August 2007*
- Constructed a thermodynamic computer model (SolidWorks/ Cosmos) for thermal study of Laser Direct Writing Glass
- Discovered new and better ways to model the heat erasure process by laser beams of different intensities and velocities

LEADERSHIP

- **Teaching Assistant, MIT Materials Science & Engineering Dept** — Organized tutorials to clarify lab procedures; instructed over 60 students in designing & conducting laboratory experiments in both mechanical properties of materials and biomaterials chemistry
- **Marketing Associate of Sloan Undergraduate Management Association (SUMA)** — Assisted in organization and marketing of over 30 events including SUMA career fair (2008)
- **Choreographer, MIT Dance Troupe**— Choreographed several pieces for MIT Dance Performances; taught belly dancing to more than 10 dancers each semester as well as designing the dance costumes

HONORS/AWARDS

MIT's Provost Presidential Fellow (2010); Sigma Xi Engineering Honor Society (2009); Materials Science and Engineering Outstanding Junior Award (MIT), Natural Sciences and Engineering Research of Canada (NSERC) Award (2008); Tau Beta Pi Engineering Society, Phi Beta Kappa Honor Society (2007); British Columbia Provincial Scholarship (2006)

SKILLS/INTERESTS

Languages: Fluent in English and Farsi. Familiar with Spanish and Arabic
Computer: Windows operating system, Microsoft Office, Mathematica, SolidWorks. Familiar with Matlab
Interests: Pilates, choreography, belly-dancing, traveling, poetry, photography, yoga