

Tiffany Jin

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Education	Massachusetts Institute of Technology Cambridge, MA <i>Candidate for Bachelor of Science in Mechanical Engineering and Minor in Biomedical Engineering, June 2011.</i> GPA 4.5/5.0 Relevant Coursework: Thermal-Fluids Engineering I/II, Mechanics & Materials I/II, Dynamics & Control I/II, Design & Manufacturing I/II, Measurement & Instrumentation, Wheelchair Design in Developing Countries, Computational Neuroscience, Mechanisms of Drug Actions, Biochemistry, Organic Chemistry I, Bioethics
	West Windsor-Plainsboro High School North Plainsboro, NJ <i>Valedictorian, in class of 345, June 2007.</i> SAT I: 800M, 770V, 770W SAT II: 800 Chemistry, 800 Math IIC, 790 Physics, 780 Biology GPA 4.8/4.0 Unweighted 4.0/4.0
Experience	Hewlett-Packard (May 2010-August 2010) Boise, ID <i>Intern, Supplies R&D</i> <ul style="list-style-type: none">• Tested and analyzed EP voltages and OPC temperatures for a possible relationship with low-density printing.• Characterized solid-area density of printing during the life of print cartridges. Harvard-MIT Health Sciences & Technology (June 2009-August 2009) Boston, MA <i>Researcher</i> <ul style="list-style-type: none">• Designed and fabricated two microscopes using optical coherence tomography technology to visualize vascularization in both mice and humans.• Successfully demonstrated project <i>in vivo</i>, allowing for skin flap transplant clinical trials to begin. MIT Dept. of Materials Science (September 2008-May 2009) Cambridge, MA <i>Researcher</i> <ul style="list-style-type: none">• Evaluated the potential usage of an implantable metabolic sensor in mice.• Utilized NMR technologies to conduct research in a laboratory environment. Johnson & Johnson (June 2008-August 2008) Raritan, NJ <i>Intern, WISE Web Services</i> <ul style="list-style-type: none">• Performed server consolidations and process gap analyses of site migrations from EU to NA environments, saving the resources of the company.
Leadership	Women's Volleyball Club (2007-Present) Cambridge, MA <i>President 2008-Present</i> <ul style="list-style-type: none">• Organized logistics and competed in over forty tournaments in the New England area. Science Olympiad (1999-2007) Plainsboro, NJ <i>Captain 2005-2007</i> <ul style="list-style-type: none">• Earned a National gold medal in a Science Olympiad Chemistry event.• Ranked #1 in the state of New Jersey for four years in an Astronomy event.• Collected 27 medals at the regional, state, and national level.
Activities	Simmons Hall Secretary (2010-Present), MIT Intramural Soccer, Flag Football, and Volleyball (2007-Present), Biomatrix (2009-Present), Association of Taiwanese Students (2007-Present), Simmons Hall Desk (2009-Present), Undergraduate Practice Opportunities Program (2008-2009), McCormick Hall Social Chair (2007-2008), Freshmen/Alumni Summer Internship Program (2007-2009), Science Club (2003-2007)
Honors	New Jersey Society of Women Engineers' Award (October 2007), National Merit Scholarship Finalist (June 2007), New Jersey Governor's Scholar (June 2007), Mercer County Retired Educators Association Award (May 2007), Hsueh Award (May 2007), AP National Scholar/AP Scholar with Distinction (October 2006)
Skills	<i>Computer:</i> MATLAB, SolidWorks, Mathcad, Maple, Java, MS Office, Windows & Macintosh Operating Systems
Interests	Card/board games, volleyball, horseback-riding, piano, mystery novels.