

Jessica Li
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Term Address:
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Education: **Massachusetts Institute of Technology** Cambridge, MA
Candidate for S.B. in Biological Engineering June 2013
Relevant coursework: Thermodynamics of Biomolecular Systems, Differential Equations, Introduction to Computer Science and Programming, Organic Chemistry I, Biology I, Chemistry I, Physics I & II, Multivariable Calculus (including current coursework)

Pennsbury High School Fairless Hills, PA
Rank 1 in class of 883 June 2009
Activities: National Forensic League, Youth Orchestra of Bucks County, Athletics, volunteering at Frankford Hospital, National Honor Society

Experience: **Massachusetts Institute of Technology** Cambridge, MA
Introduction to Molecular Biology Techniques (IAP Course) January 2010

- Course Instructor: Dr. Mandana Sassanfar
- Techniques used: measurement of viral titer by serial dilution, CsCl density gradient preparation and ultracentrifugation, genomic DNA extraction and purification, DNA restriction digests and Agarose gel electrophoresis, oligonucleotide design and PRC, DNA cloning and bacterial transformation,

Massachusetts Institute of Technology Cambridge, MA
Women's Technology Program Residential Assistant June 2010 – August 2010

- Make a warm community in the dorm and organizing sightseeing trips into Boston and Cambridge. Assist in the lab during Motor Building project

University of Pennsylvania School of Medicine Philadelphia, PA
Yang Laboratory – student volunteer July 2008 – August 2008

- The lab researches molecular mechanisms of apoptosis and how they may relate to cancer and other diseases
- Techniques used: Western Blot, Cloning vectors, immunoprecipitation, making DNA & protein gels, splitting cells

Activities: Bioengineering-Biomedical Engineering Society, Alpha Chi Omega Sorority, Biology Undergraduate Student Association, Association of Taiwanese Students

Leadership: *Society of Women Engineers:* Department Liaison

- Plan the Meet the Professor dinners and organize academic theme study breaks

Academics: Associate Advisor of first-year students at MIT

- “Genes in the News” seminar advising
- Be a good resource for students for both academics and everyday life