

Permanent Address:  
1808 N. St. Andrews Drive  
Vernon Hills, IL 60061

Liza C. Xu  
[lizaxu@mit.edu](mailto:lizaxu@mit.edu)  
(224) 628-1389

University Address:  
305 Memorial Drive  
Cambridge, MA 02139

---

|                            |   |   |
|----------------------------|---|---|
| <u>Education</u>           | <b>Massachusetts Institute of Technology</b><br><i>Candidate for Bachelor of Science in Chemical Engineering, GPA: 4.7/5.0</i><br>Relevant Coursework: Chemical and Biological Engineering Thermodynamics, Fluid Dynamics,<br>Transport Processes, Separation Process Design, Chemical and Biological Reactor Design<br><i>Minor in Chinese Language</i>  | <b>Cambridge, MA</b><br>June 2013   |
| <u>Research Experience</u> | <b>Olsen Lab, Massachusetts Institute of Technology</b><br><i>Undergraduate Researcher</i> <ul style="list-style-type: none"><li>Self-assembled hybrid block copolymer systems under various conditions using layer-by-layer solvent evaporation methods to examine effect of preparation conditions on morphology</li><li>Studied effect of additives on protein systems for increased stabilization and activity</li><li>Presented results to 9 colleagues during two lab meetings</li></ul> <b>Microfluidics Lab, Tsinghua University</b><br><i>Undergraduate Researcher</i> <ul style="list-style-type: none"><li>Helped capture video of two phase oil-air systems with varying T-junction angles, oil concentrations, and flow velocity to exam effect on coalescence</li><li>Learned to determine interfacial tension and contact angel with tensiometer</li></ul> <b>Hong Lab, College of Pharmacy, University of Illinois</b><br><i>Undergraduate Researcher</i> <ul style="list-style-type: none"><li>Analyzed self-assembled amphiphilic block copolymer aggregates to verify their compatibility with human body for use as nanoparticle anti-cancer drug delivery vehicles</li><li>Completed scientific report summarizing results and presented work at final conference for 30 people</li></ul>  | <b>Cambridge, MA</b><br>Feb. 2011 – Present<br><b>Beijing, China</b><br>Jan. 2011<br><b>Chicago, IL</b><br>June 2010 – Aug. 2010  |
| <u>Leadership</u>          | <b>Society of Women Engineers (SWE), MIT</b><br><i>President</i> <ul style="list-style-type: none"><li>Oversee a 8 person executive team and 32 person planning board</li><li>Complete quarterly reports describing the state of the collegiate section</li><li>Organize and lead biweekly executive meetings and board meetings</li></ul> <i>VP Membership &amp; Information</i> <ul style="list-style-type: none"><li>Train and oversee 8 planning board members to host events geared towards membership recruitment and development</li><li>Work with 7 executive board members to keep MITSWE a smoothly run and highly influential organization on campus</li></ul> <b>MIT Fall Career Fair</b><br><i>Week-of-Logistics Director</i> <ul style="list-style-type: none"><li>Negotiated hotel accommodations and transportation for close to 200 visiting employers</li><li>Scheduled 29 information sessions and company panels along with interview day logistics</li><li>Organized networking luncheon for top sponsors and selected students, resulting in 200 attendees</li></ul> <b>Chinese Students Club, MIT</b><br><i>Treasurer</i> <ul style="list-style-type: none"><li>Record and follow monetary transactions of the organization</li><li>Draft funding proposals to receive \$1200-\$1800 from the Institute</li></ul> <i>Secretary</i> <ul style="list-style-type: none"><li>Prepared meeting agendas and minutes for 17 executive board members</li><li>Ensured tasks were delegated among board members and completed in a timely manner</li></ul> | <b>Cambridge, MA</b><br>Dec. 2011 - Present<br>Dec. 2010 – Dec. 2011<br><b>Cambridge, MA</b><br>May 2011 – Present<br><b>Cambridge, MA</b><br>April 2011 – Present<br>May 2010 – April 2011 |
| <u>Skills</u>              | Computer: Microsoft Office, Adobe Photoshop, Basic MATLAB<br>Technical: UV Vis, CD, FTIR, native protein purification, RAFT polymerization<br>Language: Conversational Mandarin Chinese, Intermediate proficiency in Spanish  |   |