

Education	Massachusetts Institute of Technology (MIT) <i>B.Sc. in Chemical-Biological Engineering</i> - GPA: 4.9/5.0 - Study Abroad: Benjamin A. Gilman International Scholarship Recipient École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland Hong Kong University of Science and Technology (HKUST), Hong Kong	Cambridge, MA Graduated: 06/2014 02/2013 – 07/2013 09/2012 – 12/2012
Experience	3M <i>Lean Six Sigma Coach, Optimized Operations Engineer</i> - Led project team of 12+ subject matter experts to rewrite strategic Lean Playbook and deployed corporate-wide - Improved group's travel impact by developing trip management system used for over 120 trips per year - Restructured department's in-service week to make meetings more impactful towards delivering year-end goals - Increased factory productivity by reducing changeover time from 13.2 to 4.5 minutes on constrained equipment - Led \$75,000 cost project to qualify non-hazardous waste to be landfilled EPFL Laboratory for Semiconductor Materials <i>Research Assistant</i> - Investigated possible compatible materials from literature - Evaluated coatings for nanowires for photocatalytic water-splitting capability and corrosion - Delivered 4 presentations to research group and project collaborators and wrote summary of trends and results Honeywell UOP <i>Materials Characterization Intern</i> - Assembled <i>in-situ</i> x-ray diffractometer system with controlled temperature and gas environment - Collected data thermodynamics and kinetics of reactions and phase transitions with temperature and time - Analyzed diffraction patterns to characterize catalysts and adsorbents - Presented results to high-level managers MIT Langer Lab <i>Undergraduate Researcher</i> - Synthesized, extracted, and characterized drug-loaded nanoparticles to test efficacy on cancer cells - Created and tested systematic mixtures for drug delivery screening Sandia National Laboratories (Center for Integrated Nanotechnologies) <i>Nano-patterned Surfaces Intern</i> - Patterned and functionalized silicon wafer surfaces via click chemistry - Characterized stamped nano-surfaces using atomic force microscopy (AFM), ellipsometry, and contact angle goniometry - Improved results by identifying other cleaning and functionalization strategies from scientific literature	St Paul, MN 07/2014 – Present Lausanne, Switzerland 02/2013 – 08/2013 Des Plaines, IL 06/2012 – 08/2012 Cambridge, MA 01/2011 – 01/2012 Albuquerque, NM 06/2011 – 08/2011
Activities/ Leadership	MIT Pistol Team <i>Big Dog, Webmaster</i> - Trained new members and periodically updated team website - Started a private team Wiki to aid knowledge transfer to new members and preserve important team documents - Women's air pistol: 1st place team, collegiate nationals, 2014; 3rd place individual, collegiate sectionals, 2014 - Women's sport pistol: 3rd place team, collegiate nationals, 2014; 3rd place individual, collegiate sectionals, 2014 - Standard pistol: 3rd place individual, collegiate sectionals, 2014 MIT Outing Club <i>Treasurer, Member</i> - Managed financial resources through acquiring funding, rentals, reimbursements, and real estate property costs - Mobilized over \$20,000 in club assets, allowing for increased club activity and new large-scale projects	Cambridge, MA 09/2010 – 06/2014 Cambridge, MA 05/2011 – 06/2014
Skills	Computer: Apple, Windows, and Linux OS, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, Access), Aspen Plus/HYSYS/EDR, SuperPro Designer, Adobe Creative Suite (Photoshop, Illustrator, InDesign, Flash, Dreamweaver), 3D Modeling (SketchUp, Rhinoceros), JACOBIAN, Minitab Programming: MATLAB, Python, Java, and basic HTML/CSS Language: intermediate French, conversational Mandarin and Cantonese	