

Massachusetts Institute of Technology, Cambridge, MA  
Expected Graduation: June 2018  
Major: Chemical Engineering, Minor: Energy Studies

Armijo High School, Fairfield, CA  
 Graduated June 2014  
 Unweighted GPA: 4.00, Salutatorian in class of 590  
 International Baccalaureate (IB) Diploma Recipient (40/45)

California State Summer School for Mathematics & Science  
 Attended July 2012 at University of California, Davis Department of Chemistry  
 Studied organic molecules, nanotechnology, and energy materials  
 Completed research project on synthesis methods for gallium nitride nanowires

*Undergraduate Research Assistant* September 2014–Present  
Belcher Materials Science & Engineering Laboratory, David H. Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology, Cambridge, MA

- Quantifying the efficacy of phage catalysts for the oxidation of 1-phenylethanol-acetophenone and the Suzuki coupling reaction of  $\text{PhB}(\text{OH})_2$  and 4-Br acetophenone using high-performance liquid chromatography
- Synthesizing gold, silver, and platinum nanoparticles to engineer phage catalysts

<i>Volunteer</i>	October 2012–May 2014
NorthBay Medical Center in Fairfield, CA	
<ul style="list-style-type: none"> <li>• Performed front desk work, clerical work, and non-medical tasks for patients</li> <li>• Worked in Intensive Care Unit, Nutrition &amp; Health Services, Mother Baby Unit, Labor &amp; Delivery Unit, and Emergency Room</li> </ul>	

*Computer Languages:* C++, MATLAB, Python, JavaScript, PHP, HTML, CSS  
*Packages:* MS Office, LaTeX  
*Laboratory:* SEM, EDS, HPLC, TLC, UV-vis spectroscopy, mass spectroscopy

*Corporate Relations of Energy Expo Committee at MIT Undergraduate Energy Club*

- Collaborating with committee to organize largest undergraduate energy networking event, featuring 30 energy-related industry and academia organizations
- Contacting company representatives, communicating logistics information

*Associate Webmaster* at MIT Society of Women Engineers Chapter

- Freshman representative and active MIT SWE board member
- Administrating and maintaining MIT SWE website and phpMyAdmin databases

*Director & Head Captain at Armijo HS Academic Decathlon*

- Registered team, contacted sponsor organizations for financial support
- Motivated best school team performance in 10 years at state qualifications

*Founder & President* at Armijo HS Science Club

- Organized science education outreach events at local elementary schools in socioeconomically disadvantaged areas