

Education

University of California, Berkeley *Engineering Physics (EECS Minor)* **GPA: 3.56** **2011-2015**

- **Electrical Engineering:** Experience with photolithography, etching, deposition, and standard lab equipment including SEM. Also designed and fabricated an EEG to measure neural activity. Circuits, Devices, Systems and Signals, and Fabrication courses.
- **Physics:** Classical Mechanics, Quantum Mechanics, Electricity and Magnetism, and Optics.
- **Computer Science:** MATLAB, LabVIEW, Python, Java, and UNIX terminal.
- **Other Relevant Courses:** Multivariable Calculus, Linear Algebra, Differential Equations, Materials Science, and General Chemistry.

Experience

Helmholtz-Zentrum Berlin Synchrotron *Summer Intern* | **2014**

- Fabricated nickel phase rings using reactive-ion etch, e-beam lithography, and electroplating.
- Worked in Class 100 cleanroom and used SEM to inspect substrates.

Berkeley Orthopaedic Biomechanics Laboratory *Undergraduate Researcher* | **2014**

- Created 3D models of bloodflow in the brain using CT scan data from stroke patients.

Lawrence Livermore National Laboratory *Summer Intern* | **2013**

- Evaluated high-pressure models for crystalline explosives and presented findings at symposium.
- Reduced calculation error of bulk modulus by 67% from previous published work.

Leadership

UC Berkeley Student Learning Center *Physics Tutor* | **2014-**

- Lectured physics class of ~15 students and participated in a seminar on communication skills.

Triangle Fraternity *Vice-President, Member Education, Recruitment* | **2011-**

- Taught new members about our fraternity values, planned events, and served on executive board.

EE 40 Electronic Circuits course *Lab Assistant* | **2014**

- Guided students through laboratory assignments, helping with understanding and debugging.

Engineering Student Council *Senior Treasurer* | **2013**

- Elected by engineering student leaders to manage \$50,000 budget and chair the finance committee.

Surviving Berkeley Engineering course *Instructor* | **2013**

- Taught course for new students, sharing experiences and advice as well as building community.

Interests

Red Bull Paper Wings 2012: Won 8th place at the paper airplane world championship in Austria by throwing a plane 46.28 m.

Music: Played guitar in a rock band and performed at the DNA Lounge in San Francisco.

Athletics: Played baseball and soccer in high school and now plays softball, ultimate, and dodgeball.