

# Seiya Ono

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## Education

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### University of California, Berkeley

Bachelor of Science: Electrical Engineering & Computer Science

**August 2015 - May 2019**

Major GPA: 3.7

### Relevant Coursework:

Data Structures & Algorithms, Machine Structures, Microelectronic Devices & Circuits, Discrete Mathematics & Probability Theory, Operating Systems & System Programming, Signals & Systems

**Current:** Microfabrication Technology, Integrated-Circuit Devices

### Relevant School Projects:

Text Editor (Java Visual Library), MIPS Pipeline, MOSFET and OpAmp Characterization, Three stage MOSFET Small Signal Amplifier, PintOS Thread Scheduling/User Programs/File System

## Skills

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**Programming Languages:** Java, Python, C

**Software:** GNU/Linux, L<sup>A</sup>T<sub>E</sub>X, Jupyter Notebook, Arduino, Eagle, Cadence, Git, DevOps

## Employment

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### Devices & Systems Head Lab Teacher Assistant:

**January 2017 - Current**

Facilitate two 50 student 3 hour lab sessions a week

Oversee and facilitate the weekly lab trainings for lab TAs and lab assistants

Iteratively design and improve electrical engineering labs with professors and grad students

Rigorously test the labs and maintain the lab space to be suitable for students

Conduct behavioral and technical interviews to hire new teacher assistants for future semesters.

### Interpretation of Computer Programs Lab Assistant:

**January 2016 - May 2016**

Guided students and explained CS topics to students in office hours

Reviewed and relearned the new labs to come up with creative ways to assist students in lab

## Volunteering

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### Pioneers in Engineering:

**January 2016 - Current**

Bringing STEM education to local high schoolers through mentorship and a robotics competition

### Hardware Coordinator:

**May 2017 - Current**

Coordinate the supply chain for parts and components for the electrical teams

Have full stack understanding of the electrical system and advise teams

Onboarding new hardware staff to work on projects by training their Eagle and Git skills

Integrate adjacent software, mech, and electrical teams in a collaborative environment

### Smart Sensor Project Manager:

**June 2016 - May 2017**

Design and prototype new sensors based around Arduino and competition design parameters

Put together schematics, route boards, build BOMs, and test the seven types of sensors

### DevOps:

**January 2016 - August 2016**

Maintaining software dependencies and deployment from the BeagleBone Black's Ubuntu distro

Create a club wide continuous integration workflow using Github integrated Travis-CI

Developed and conducted workshops to teach Git principles and promote best practices