

Seiya Ono

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Education

University of California, Berkeley

August 2015 - May 2019

Bachelor of Science: Electrical Engineering & Computer Science

Relevant Course Work:

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

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

Programming Languages: Java, Python, C

Software: GNU/Linux, L^AT_EX, Jupyter Notebook, Arduino, Eagle, Cadence, Git, DevOps

Employment

Devices & Systems I Head Lab Teacher Assistant:

January 2017 - Current

Facilitate 3 hour weekly lab sessions for 50 students

Oversee the training of the other 10 lab TAs and 20 lab assistants for all the labs

Collectively design and improve EE labs with professors and grad students

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

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

Pioneers in Engineering:

January 2016 - Current

Bring 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 advice teams

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

Integrate adjacent software and hardware teams to work together 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 of materials, and test with components

DevOps:

January 2016 - August 2016

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

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

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