

Lawrence Chen

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Education

University of California, Berkeley

Fall 2016 – Spring 2020

B.S. in Electrical Engineering and Computer Sciences

Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems

Experience

University of California, Berkeley | CS61A Academic Intern

Spring 2017

- Taught and helped over 1200 students in the introductory computer science course CS61A
- Assisted TAs and students during one lab and one office hour per week

Pioneers in Engineering | Staff Member

Spring 2017

- Official staff member of an organization that supports STEM education for local schools and hosts robotics competitions throughout the Bay Area
- Worked in a group to create Dawn, a Javascript-based UI to provide gamepad controls for robots

Speckle Interferometry and Orbital Plot of Double Star WDS 20176+2622 | Team Leader

2015-2016

- Research done in conjunction with an online astronomy course from Cuesta College
- Used new data from the Kitt Peak Observatory to refine an older orbital solution of a double star system WDS 20176+2622
- Oversaw project and allocated work for other team members

Projects

Loop Pedal

Fall 2016

- Created an iOS application that records sound files and loops them together
- Controlled by an Arduino that senses when a switch on a circuit is turned on and sends info to the iOS application via Bluetooth module to imitate functionality of a Kaoss pad
- Hackathon project at CalHacks 3.0

Bear's Sunlight Clock

Fall 2016

- Created an alarm clock with LEDs to imitate sunlight
- Programmed an Arduino so that it activates the LEDs at a specified time, linked the Arduino to a website through WiFi module to acquire the time
- Hackathon project at IoT Hacks

Skills

Programming

- Python, Java, HTML, CSS, Javascript, Scheme, SQL, Swift, cmd/Bash, LaTeX

Software

- Git, IntelliJ, Netbeans, Word, Excel, PowerPoint

Languages

- English (native proficiency), Cantonese (elementary proficiency), Spanish (elementary proficiency)