Lawrence Chen

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Education

University of California, Berkeley   **Fall 2016 – Spring 2020**

B.S. in Electrical Engineering and Computer Science
Relevant Coursework : Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems

Projects

Loop Pedal   **Fall 2016**

- Created an iOS application that records sound files and combines them in a loop and is controlled by an Arduino by a switch on a circuit
- Hackathon project at CalHacks 3.0

Bear's Sunlight Clock   **Fall 2016**

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

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

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

Skills

Computer Skills

- *Programming* : Python, Java, HTML, CSS, Javascript, Scheme, SQL, C++, Swift, cmd/Bash, LaTeX
- *Software* : Git, IntelliJ, Netbeans

Languages

- *English* : Native proficiency
- *Cantonese* : Elementary proficiency
- *Spanish* : Elementary proficiency