

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

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

Friends of the Stockton Public Library (Non-profit) | Supplies Coordinator

2013-2014

- Managed inventory and processed donations
- Provided friendly and helpful assistance to customers

Skills

Computer Skills

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

Languages

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