Lawrence Chen

lawrencechen14@berkeley.edu | lawrencechen14.github.io | (209) 561-7393

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, Machine Structures, Designing Information Devices and Systems, Discrete Mathematics and Probability Theory, Foundations of Data Science, Physics for Scientists and Engineers

Experience

University of California, Berkeley | CS61A Academic Intern   **Spring 2017**

- Taught and helped 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 throughout the Bay Area and hosts robotics competitions
- Helped design and create the Final Competition website
- Worked in a group to help develop Dawn, a Javascript-based UI that provides 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

CS61B Database   **Spring 2017**

- Created with Java a relational database management system that can store multiple types of data in tables
- Built a domain specific language similar to the SQL language to interact with the database

SIXT33N Car   **Spring 2017**

- Constructed a front-end circuit accompanied with a mic circuit board that converts sound to a controlled signal
- Programmed an MSP430 Launchpad with Arduino code to perform principal component analysis to classify voice commands and to control the actions of a miniature car

Skills

Programming

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

Software

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

Languages

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