Sophia Lau

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EDUCATION

Computer Science & Cognitive Science B.A

Class of 2021
Technical GPA: 3.7

University of California, Berkeley

CS Scholars Program, Cohort 9
- 1/60 freshmen chosen on the basis of increasing diversity in CS, particularly first generation, minority, and socioeconomically disadvantaged students

Relevant Coursework:
- Data Structures & Algorithms (CS61B)
- Designing Information Devices and Systems (EE16A & B)
- Linear Algebra (EE16A)
- Discrete Math & Probability (CS70 – Summer '18)

Technologies:
- Java, Python, JavaScript, Numpy, SQL, Lisp, HTML/CSS, Adobe Premier Pro

Languages
- English, French, Mandarin, Vietnamese

EXPERIENCE

Berkeley, CA
Spring 2018 - Present

CodeBase at Berkeley | Junior Member
- Mentored, full-stack web application developer of an internship information app, similar to Glassdoor, for the club

PROJECTS

Full Stack
JS, HTML, CSS
Spring 2018 - Present

CodeDoor (in progress) | CodeBase at Berkeley
- CodeBase's Mentored Project for Spring 2018
- Building an internship information application for the club

Full Stack
JS, HTML, CSS
Fall 2017

Personal Website | lausophia.github.io
- Personal project started as an opportunity to learn the basics of HTML/CSS in 12 hours via StackOverflow
- Used skills to modify and customize a template
- Uploaded website onto a new, personal github

Backend
Java
Spring 2018

Build Your Own Game | CS61B
- Built an engine for generating unique, explorable, 2-D worlds, playable with user input

Backend
Lisp, Python
Fall 2017

Scheme Interpreter | CS61A
- Built an interpreter of a subset of a Scheme language using Python

Backend
Python
Fall 2017

Maps | CS61A
- Created a program that takes in user input and preference history and uses it to calculate the best restaurant in the current location
- Wrote algorithm using k-means clustering combined with a regression algorithm to match user with best restaurant