

Phoebe Li

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Education

UNIVERSITY OF CALIFORNIA, BERKELEY | B. A. COMPUTER SCIENCE

EXPECTED MAY 2023 | 4.0 GPA

- Relevant Coursework: CS 61A: Structure and Interpretation of Computer Programs [Python, SQL, Scheme], CS 61B: Data Structures [Java], EECS 16A/B: Designing Information Devices and Systems

Experiences

JAVA ASSISTANT | MONTA VISTA HIGH SCHOOL

FEB ~ MAY 2019

- Coded possible solutions to exam problems for high school teacher's Java programming course
- Created GUI calculator and Spanish quiz program from paper prototype using `java.awt` & `java.awt.event`
- Collaborated with instructor on design of GUI programs to improve and enhance usability

INTRO TO SCRATCH PROGRAMMING CO-INSTRUCTOR | CS4U

JUN ~ JUL 2018

- Taught fundamental coding concepts to under-resourced students, between the ages of 8 and 12
- Integrated group activities and online programming games to facilitate the learning of commands, loops, coordinates, and functions
- Assisted and evaluated students on their final game project made in the Scratch programming language

Projects

ENIGMA | CS61B

MAR 2020

- Implemented Java program that imitates all computational aspects of Enigma, the WWII encryption device
- Program composed of a Machine object that holds different Rotors, each with their own encryption pattern
- Concepts utilized: Hashmaps, Generic types, Polymorphism, File I/O, Unit testing, Integration testing
- Approx. 1000 lines

PHOEBELI23.GITHUB.IO | PERSONAL WEBSITE

NOV 2019

- Utilized online template from W3Schools to construct my first static webpage hosted on GitHub pages
- Modified and augmented the existing template with HTML, CSS, & Javascript code

JOYOS | CALHACKS

OCT 2019

- Created web app to track the various emotional states of laptop user during laptop use hours
- Reviewed teammate's application of OpenCV and neural nets to predict user's emotions from webcam feed
- Designed daily smile goals as a benchmark for measuring user's emotional state objectives
- Coded logic for smile notifications with Python, frontend with HTML/CSS, and version control with Git
- Submitted and presented to CalHacks 6.0 as part of a 3-person team

WRITEAWAY & TRANSCEND | TECHNOVATION CHALLENGE

FEB ~ MAY 2017 & 2018

- WriteAway - Virtual study group locator that connects students via location and subject matter
- Transcend - Community exercise application based on a reward system and peer check-ins
- Worked with team mainly on problem research, ideation, UI design, & business plan construction
- Submitted projects and video pitch for international review as part of a 4-person team

Skills

Python Java Git HTML CSS Javascript SQL React + Redux Node.js Express.js