MAE WANG

GRADUATION DATE: SPRING 2022
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OBJECTIVE

College sophomore with software development skills seeking a summer software internship position.

COMPUTER SCIENCE SKILLS

Languages:
Java, Python, C, JavaScript, Swift, JQuery, CSS, HTML 5, SQL, Scheme

Programs and Tools:
Git/GitHub, Unix, Linux, Vim, Xcode, Firebase, Unity3D

EXPERIENCES

iOS App Development

- Built a "Snapchat" app with cloud-based record of snaps using Swift and FireBase
- Constructed a beverage searcher app utilizing crowdsourcing and cloud using Swift and FireBase
- Implemented a cryptocurrency ticker from the Cryptonator RESTful API using Swift

Web Development

- Redesigned and constructed www.azlyrics.com using HTML and CSS
- Built a personal website with HTML, CSS, and the JavaScript library p5.js

Girls Who Code Immersion Program

GE Digital, June 2016 - August 2016

- Designed a virtual reality app using Unity3D and C#
- Created the game “Pong” using Python
- Programmed on a Parallax Activitybot Robot using C++

LA Hacks Hackathon

UCLA, March 2017

- Developed functional college class organizing algorithm program with Java

EDUCATION

University of California, Berkeley (UC Berkeley)

B.A. in Computer Science, present

3.4 WEIGHTED GPA

- Machine Structures | ongoing:
- Learning and developing programs with C and assembly language

- Adaptive Instruction Methods in Computer Science | ongoing:
- Learning how to instruct in the field of STEM and hosting weekly tutoring sessions

- Discrete Mathematics and Probability Theory | ongoing

- Data Structures | Spring 2019:
- Created a "Google Maps" web mapping application using real-world mapping data and Java
- Built an AI that solves puzzles, such as “word ladder” and "8-puzzle problem", by finding the shortest possible solution using Java
- Developed a program to estimate the value of the percolation threshold via Monte Carlo simulation using Java
- Designed a 2D tile-based game that pseudorandomly generates worlds and has AI "chaser enemies" using Java

- Structure and Interpretation of Computer Programs | Fall 2018:
- Developed an interpreter for the Scheme language using Python
- Created a visualization of restaurant ratings using machine learning and the Yelp academic dataset using Python
- Implemented a tower defense game inspired by "Plants Vs. Zombies" using Python

West Los Angeles College

High School Concurrent Enrollment

- Intro to Engineering:
- Built a prosthetic Arduino robotic arm with the ability to extend/retract

- Intro to Business Communications:
- Learned how to write and orally communicate within a business setting in business management or marketing
- Gained proficiency in writing business letters, portfolios, reports, proposals, memos, business emails, and pitching proposals

- Intro to Computer Science:
- Completed many Python projects, including a bank ATM program

University Senior High School

Salutatorian, Class of 2018

4.425 WEIGHTED GPA