mshuang2001@gmail.com
909-672-8755

MICHAEL HUANG

LinkedIn: Mshuang2001
Github: Huangmichael94

TECHNICAL SKILLS

- Tools and Languages: **Python**, **Java**, **C++**, CSS, HTML, Assembly, Bash, Git, Unix, Linux.

EDUCATION

San Diego, United States   **University of California, San Diego**   **Fall 2019 – (June 2023)**

- B.S. in Computer Science.   *GPA: 3.3*
- Relevant Coursework: **Java & OOP, Data Structures & OOD, Systems Programming, Software Engineering, Recommender Systems & Web Mining, Interaction Design*, Operating Systems*.**

PROJECTS

San Diego Zoo Route Planner   **UCSD CSE 100 SP22**

- *Https://github.com/HuangMichael94/ZooSeeker/*
- Worked within a **scrum** team to develop solutions to improve zoo visitor navigation.
- Developed an Android app that interacts with the Google Maps API to plan routes between zoo exhibits.
- Extensive focus on testing with **JUnit** and **RoboElectric**.
- Used story point estimation using the Fibonacci and scrum poker methods.
- Regular standups, sprints, retrospectives, and task estimation.
- Implemented user stories are defined by San Diego Zoo staff to fulfill acceptance criteria.

BestCities4CS Research Project   **UCSD COGS 108 SP20**

- *Https://github.com/HuangMichael94/BestCities4CS-Research-Project/*
- Analyzed the best place to live by salary for UCSD computer science undergrads completing their studies.
- Implemented methods of data cleaning, sorting, and summarization with **Pandas**.
- Conducted web scraping of Glassdoor job postings using **Selenium**.

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

Software Engineering Tutor   **Citrus Valley High School**   **August 2017 – June 2019**

- Taught students software engineering practices and the fundamentals of **Java and OO design**.
- Orchestrated a class project to program CoDrones with Arduino for racing and parkour course navigation.
- Collaborated with faculty to develop and refine AP Computer Science Principles curriculum and teach **Javascript**, **HTML** and **CSS** to overachieving students.

Robotics Technician   **Citrus Valley High School**   **August 2015 – June 2016**

- Worked in teams to design and build robots and compete in the 2016 VEX Robotics competition.
- Guided team members with the designing and building process of the robots.
- Directly responsible for inventory management and hardware upkeep for several classes of engineers.

EMPLOYMENT

Resident Counselor   **Musiker Discovery Programs**   **June 2022 – July 2022**

- Served as a program/event coordinator, academic advisor, conflict mediator and liaison between students, faculty, and administration for student life at Georgetown University.

Customer Service Associate   **Lowe's Home Improvement**   **January 2021 – May 2021**

- Worked with professional clients to identify and resolve credit and technical product issues.
- Helped management with housekeeping duties during busy periods to improve department productivity.