

Honghao(Aaron) Lin

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Portfolio: portfolio-363301.appspot.com/

SKILL, ACTIVITIES & INTERESTS

Tools: GIT, GitHub, Android Studio, JUnit, Espresso, Robolectric, ZenHub, GitHub Actions CI, Figma.

Technical Skills: C++, Java, Python, Deep Learning with Pytorch, SQL, Linux, Android Development, HTML/CSS/JavaScript, Natural Language Processing, Computer Vision with Python.

Techniques:

- Agile software process, Behavior-Driven Development (BDD), Mobile software development
- Unit testing, object mocking, continuous integration
- Basic object-oriented design, Single Responsibility Principle, Dependency Inversion, Open-Closed Principle
- Design Patterns: Strategy, Adapter, Observer, Model-View-Present

EXPERIENCE

Teaching Assistant

UCSD

January 2023 – PRESENT

- Helping students effectively and creating an inclusive learning environment.
- Teaching students with subjects including concepts with Theory of Computation and Discrete Mathematics.
- Assisting the instructor by providing tutoring to individual students or small groups of students who require additional help.

Google SPS Program Participant

GOOGLE

May 2022 – August 2022

- Practice interviewing with Google Engineers
- Participate in an online community and regularly schedule career workshops
- Build a personal website portfolio using HTML/CSS/JAVASCRIPT.
- Build a shared classroom website that allows student to find groupmates within their classes by using HTML/CSS/JAVASCRIPT with MAVEN exec plugin

Computer Science Club Officer

Mount San Antonio College

January 2020 – May 2021

- Helped students debug and process their programs in Mount San Antonio College's computer science classes with topics of Data Structures and Algorithms.
- Hosted workshops with purpose of expanding students' interests toward Computer Science topics especially about Front-End Development with REACT and Android Development with JAVA.
- Formed different student groups and contributed to different side-projects with their interests.

PROJECTS

Academic Projects:

- Built a Logo Editor "Logo Maker" that allows users to create custom logos with 13 customizable proper properties including text, font, sizing, positioning, opacity, and color by using C++ & SFML.
- Android App "Zoo Navigation" that helps user to plan the best route and have the best experience in the San Diego Zoo by using Android Studio with JAVA language.

EDUCATION

1. University of California, San Diego (GPA: 3.8/4.0)

La Jolla, California/United States

Bachelor of Science in Computer Science

Expected graduation in June 2024

- **Relevant Coursework:** Linux Coding (CSE 15L), Advanced Data Structure (CSE 100), Theory of Computation (CSE 105), Computer and Design Technique for Digital System (CSE 140), Software Engineering Techniques (CSE 110), Natural Language Processing (CSE 156), Deep Learning (CSE 151B), Computer Vision(CSE 152A).