

Michelle Sheu

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EDUCATION

University of California, Irvine

Expected Graduation Date: December 2024

Bachelor of Science (B.S.) in Computer Science, GPA: 3.91

Irvine, CA

- Coursework: Data Structures and Algorithms, Introduction to Data Management, User Interaction Software, Principles in System Design, Project in AI, Machine Learning and Data Mining

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, Kotlin, Flutter, HTML, CSS, JavaScript, SQL

Frameworks: React, Node.js, Angular

Developer Tools: Git, Docker, Google Cloud Platform, VS Code

EXPERIENCE

UC Irvine Mobile Computing and Security Research

January 2024 – Present

Researcher

Irvine, CA

- Engineered a robust data logging system to capture and store hand movement coordinates with AFrame and WebXR
- Applied machine learning techniques in Python to sensor data for hand tracking

UC Santa Cruz Tech4Good Lab

June 2022 – August 2022

Frontend Web Developer

Santa Cruz, CA

- Engineered dynamic sites for use by other organizations
- Developed reusable and scalable components utilizing HTML, SCSS, JavaScript and Angular

UC Santa Cruz Google Developer Students Club

July 2021 – June 2022

Solution Challenge Coordinator

Santa Cruz, CA

- Organized Google technology events for 30+ participants
- Managed a team of four to develop a project for a global competition

PROJECTS

SWE Wellness Advisor

February 2023 – February 2023

- Integrated sensor data and user input to create a Kotlin health tracking app for exercise, sleep, and hydration, with backend data collection via Firebase.
- Implemented personalized health recommendations and notifications based on collected data with a lifestyle score to foster improved outcomes.
- Designed a user-friendly interface with Jetpack Compose for an aesthetically pleasing and intuitive experience.

Robloxify: Memes Unleashed

January 2024 – January 2024

- Fine-tuned and deployed Palm2 model on Google Cloud
- Analyzed and cleaned Kaggle dataset with Pandas
- Won Best Meme Hack in Irvine Hacks 2024 out of 344 participants

MineSweepers AI

April 2023 – June 2023

- Developed MineSweepers AI agent in Python that completed 189/300 worlds
- Implemented model checking algorithm to pick frontier set and uncovered safe tiles with backtracking

LEADERSHIP EXPERIENCE

Career Development Chair

May 2021 – June 2022

UC Santa Cruz Society of Women Engineers

Santa Cruz, CA

- Conducted two resume review workshops with 30+ participants
- Oversaw Computer Science professor panel and SWE alumni panel, each with 30+ attendees