# NEEHA RAVULA

Software Engineer | San Diego, CA 92127

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## WORK EXPERIENCE

**FEB 2024 - PRESENT**
Poway, CA

**Software Developer, General Atomics Aeronautical Systems**
- Development and integration of UAV ground station flight simulation software for customers including the US Army, US Air Force, and NASA

**JUN 2023 - AUG 2023**
Milwaukee, WI

**Software Engineer Intern, Northwestern Mutual**
- Worked on a scrum team within NM's Engineering Solutions Delivery division, responsible for modernizing the development and delivery of client communications and applications used by over 10,000 field representatives
- Developed and troubleshooted Javascript code for new and existing communications according to product requirements within a CI/CD environment;  performed end-to-end testing using Postman API, AWS DynamoDB, and MySQL Workbench

**APR 2023 - JUN 2023**
Santa Cruz, CA

**Undergraduate Research Assistant, UCSC Tech4Good Lab**
- Worked in a team of six to integrate Stackblitz WebContainer API into Tech4Good's Causeway app, an educational platform for web development tutorials
- Developed an interactive integrated development environment (IDE) with a functional terminal using Angular and the WebContainer API

**JUN 2022 - AUG 2022**
Poway, CA

**Software Developer Intern, General Atomics Aeronautical Systems**
- Designed and developed full-stack Python application that receives messages containing aircraft telemetry data of MQ-9 Reaper UAV from AVSIM flight simulation software, parses it, and displays data fields on a GUI; used by ground station pilots and simulation developers
- Worked through Software Development Life Cycle (SDLC): designed GUI wireframes and mockups, implemented based on Interface Control Documentation (ICDs), tested with my own test client and AVSIM

## EDUCATION

**OCT 2020 - JUN 2023**
Santa Cruz, CA

**University of California, Santa Cruz**
- Bachelor of Science, Computer Science
- Data Structures and Algorithms in C/C++, Principles of Computer Systems Design, Programming Abstractions in Python, Computational Models, Analysis of Algorithms, Intro to Natural Language Processing, UX for Interactive Media, Web Applications

## SKILLS

- Python
- C/C++
- HTML, CSS, Javascript
- Git
- Object-Oriented Programming
- Figma, FigJam

## INTERESTS

- Artificial Intelligence
- UI/UX Design
- Full-Stack Development