

# Neeha Ravula

San Diego, California 92127

☎ (858) 353-4514 ✉ ravulaneeha@gmail.com 🐙 neeharavula@github.io 🔗 linkedin.com/in/needharavula

---

## Experience

### General Atomics Aeronautical Systems

Poway, CA

Software Developer I

February 2024 – Present

- Collaborate with a scrum team of 6 engineers and cross-functionally to develop ground station flight simulation software for customers including the US Army, US Air Force, and NASA
- Design and deliver solutions including autonomous EO/IR sensor control, client-server based Flight Control Software, and end-to-end system tests to optimize the performance and versatility of simulation programs for customers
- Utilize Agile methodology and Software Development Life Cycle (SDLC) to ship production-ready C++ code according to Interface Control Documentation (ICDs) within quick sprint timelines

Software Developer Intern

June 2022 – August 2022

- Designed and developed full-stack Python application that processes aircraft telemetry data messages from AVSIM flight simulation software, parses them, and displays relevant data fields on a GUI, to allow ground station pilots and simulation developers to quickly identify and troubleshoot errors during simulated flight

### Northwestern Mutual

Milwaukee, WI

Software Engineering Intern

June 2023 – August 2023

- Collaborated with a scrum team of 4 within NM's Engineering Solutions Delivery division, responsible for modernizing the development and delivery of client communications and solutions used by over 10,000 field representatives
- Developed and troubleshooted JavaScript code for new and existing communications according to product requirements within microservice architectural system; performed end-to-end testing using Postman API, AWS DynamoDB, and MySQL Workbench

### Tech4Good @ UCSC

Santa Cruz, CA

Web Developer

April 2023 – June 2023

- Implemented an interactive integrated development environment (IDE) with a functional Linux terminal using Angular and StackBlitz WebContainer API for Tech4Good's Causeway, an educational web app and platform aimed to provide web development tutorials for other students and lab members

---

## Skills

**Languages:** Python, C++, HTML/CSS, Java, JavaScript

**Software and Tools:** Atlassian (Jira, Confluence), Linux (vim, VirtualBox, Wireshark), Microsoft (Visual Studio, Windows), AWS (DynamoDB, S3), Git, Figma, FigJam, Notion, Canva

---

## Education

### University of California, Santa Cruz

Santa Cruz, CA

Bachelor of Science, Computer Science (GPA: 3.54/4.00)

October 2020 – June 2023

**Activities:** Publicity Chair Officer, Association for Computing Machinery for Women (ACM-W); Member, Society of Women Engineers (SWE)

**Relevant Coursework:** Data Structures and Algorithms in C/C++, Principles of Computer Systems Design, Programming Abstractions in Python, Computational Models, Applied Machine Learning, Intro to Natural Language Processing, User Experience for Interactive Media, Web Applications