Neeha Ravula

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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, 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*

Activites: 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