

Neeha Ravula

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EDUCATION

OCT 2020 - PRESENT

University of California, Santa Cruz

- Bachelor of Science, Computer Science; Expected Completion: June 16, 2023
- Awarded Dean's Honors across 3 quarters
- Web Applications (current), UX for Interactive Media (current), Computational Models, Analysis of Algorithms, Principles of Computer Systems Design, Data Structures and Algorithms in C/C++, Programming Abstractions in Python

SUMMER 2021

Palomar College

- Web Development and Design Foundations with HTML5/CSS3

EXPERIENCE

JUN 2023 - PRESENT

Software Engineering Intern, Northwestern Mutual

- Client Communications - Engineering Solutions Delivery team

APR 2023 - JUN 2023

Undergraduate Research Assistant, Tech4Good Lab at UCSC

- Worked in a team to integrate Stackblitz WebContainer API into Tech4Good's Causeway app, an educational platform for web development tutorials
- Developed an interactive integrated development environment (IDE) using Angular and the WebContainer API

SEPT 2022 - JUN 2023

Publicity Officer, Association of Computing Machinery for Women (ACM-W)

- Collaborate with a team of five to plan meetings, social events, fundraisers, and panels to foster a welcoming community for women in STEM on campus
- Manage social media accounts and design content with Canva to increase exposure

SUMMER 2022

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 unmanned aerial vehicle (UAV) from AVSIM flight simulation software, parses it, and displays it 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 my program with my own test client and AVSIM

APR 2022 - JUN 2022

Discrete Mathematics Grader, UCSC Baskin Engineering

- Reviewed and graded 280+ student submissions
- Provided students with explanations on discrete math concepts for incorrect answers

PROJECTS

MARCH 2021

USC SOS Application, AthenaHacks Hackathon

- Worked in a team of four to create USC SOS, a calling service and mobile application that acts as a hub for emergency contacts at USC
- Developed back-end of calling service using the Twilio console studio program and implemented interactive touch and voice responses based on user input

SKILLS

- Python
- C/C++
- Web Development
- HTML5/CSS3
- Object-Oriented Programming
- Git