

NEVAN SAMADHANA

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🔗 github.com/nsamadhana

EXPERIENCE

Northrop Grumman

Autonomous Center Design of Excellence (ADCoE) Software Engineering Intern

📅 June 2019 – Aug 2019 📍 Rancho Bernardo, CA

- Built an X Plane-11 plugin in C++ that parses/renderes DIS protocol network packets allowing pilots to interact with external entities
- Supported the upgrade of an in-house MFC-based GUI maintenance trainer application written in C++ to a more modern web-based JavaScript application with Bootstrap
- Wrote **Selenium** scripts for requirement verification tests which eliminated manual testing
- Team lead for end of quarter presentation to senior management on pilot training software development

Additive Rocket Corporation

Software Engineering Intern

📅 July 2018 – April 2019 📍 La Jolla, CA

- Created a crawler that monitors company projects and documents individual contributor errors (**JavaScript**)
- Automated company project folder tree creation while auto populating project overview documents which cut overhead from 10 minutes to 15 seconds (**JavaScript**)
- Developed a file transfer system using **mongoose** and **node.js**

The Coder School

Coding Coach

📅 June 2017 – Sept 2017 📍 San Mateo, CA

- Instructed weekly coding camps to youth aged 6-14
- Taught programming fundamentals in Python/Java/Scratch along with simple web design HTML/CSS/JavaScript

ACHIEVEMENTS/HONORS

- 4x Deans List Recipient at UC Santa Cruz
- MVP/Team Captain Aragon High School Basketball Team (2015 – 2016)
- PAL South Division Second Team All-League (2015 - 2016)

EDUCATION

B.S Computer Science

Expected Graduation December 2020

University of California, San Diego

📅 Sept 2018 - present 📍 La Jolla, CA

ORGANIZATIONS

Triton Prosthetics

Software Engineer

📅 Fall 2018 📍 La Jolla, CA

- Supported development of dexterous hand/finger movement utilizing myoelectric sensors and arduinos

PROJECTS

Fast Fingers

- Utilizes Selenium to automate typing test reaching upwards of 300 words per minute
- Bypasses user anti-cheat test using PyTesseract OCR image to text library

Helping Hand

- Google App Script that automates Cover Letter development
- Targets/replaces text and saves a copy to users Google Drive
- Used by fellow students at UCSD

Personal Website

- Portfolio: nsamadhana.github.io
- Implemented with HTML/CSS/JavaScript

SKILLS/LANGUAGES

Python, Java, C, C++, JavaScript, HTML, CSS, Lua, Selenium, SQL, Verilog, node.js, VR-Forces

Mandarin, Indonesian, Malay