

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 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
- Utilized Atlassian toolset in an Agile work development
- Team lead for project status and results presented to senior management and leadership

Additive Rocket Corporation

Software Engineering Intern

📅 July 2018 – April 2019 📍 La Jolla, CA

- Utilized Google App Scripts to develop a crawler that monitors company project folders/files to ensure they reside in correctly designated areas/adhere to naming conventions
- Automated company project folder tree creation while auto populating project overview documents through a user friendly Google form
- Developed a file transfer system using mongoDB and JavaScript

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

Kay Plant Foundation

Lab Assistant

📅 Sept 2016 – Dec 2016 📍 Santa Cruz, CA

- Analyzed/dissected plants living in serpentine soil
- Recorded plant samples using Excel

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

Bachelor of Science

Computer Science

Expected Graduation December 2020

GPA 3.4

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 words per minute typing test
- Bypasses user verification RECAPTCHA test to place score on community leader board

Helping Hand

- Google App Script that automates Cover Letter development
- Targets/replaces strings and saves copy to users Google Drive
- Utilized by fellow students at UC San Diego

Pocket Chef

- Web application that generates a list of recipes given a users current ingredients
- Implemented users ingredient addition/deletion functionality with Google Firebase back-end
- Worked on front end design/development

SKILLS/LANGUAGES

Python, Java, C, C++, JavaScript, HTML, CSS, Lua, Selenium, Verilog, VR-Forces

Mandarin, Indonesian, Malay