NEVAN SAMADHANA

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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/renders 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 aircraft project 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 through a user friendly Google form (JavaScript)
- Developed a file transfer system using mongoDB 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

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

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 reaching upwards of 300 WPM
- Bypasses user anti-cheat test using PyTesseract OCR image to text library

Helping Hand

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

nsamadhana.github.io

- Personal website for portfolio use
- Implemented with HTML/CSS/JavaScript

SKILLS/LANGUAGES

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

Mandarin, Indonesian, Malay