

Thomas Ngo, Software Engineer

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LINKS

[linkedin](#), [GitHub](#)

PROFILE

A creative thinker, adept in software development and working with various data structures. Results-oriented Software Engineer with a Master's in Computer Science. Proficient in Python, JavaScript, C#

EMPLOYMENT HISTORY

Aug 2022 — Sep 2023

Software Engineer, Siemens

Costa Mesa, CA

- Built the database service APIs using MongoDB and ExpressJS to store and query data for Mold Cost POC
- Implemented the logic to generate the report view and report file (xlsx format) using ExcelJS and SheetJS
- Implemented GitLab CICD pipeline to automate and facilitate the development process
- Implemented automated testing that increased code coverage to 50%, reducing the number of production issues by 95%
- Developed automated scripts to simplify common tasks and reduce manual effort
- Developed and maintained software in multiple programming languages, such as Python, and JavaScript

Jan 2022 — Jul 2022

Software Engineer, ETAP - Operation Technology, Inc

Irvine, CA

- Worked on eWeb, HMIViewer, HMIDesigner, EtapApp project
- Implemented the features upon the incident request (IR) from the engineer team using C#, JavaScript, SQL
- Debugged and enhanced the internal tools such as ETConfig and Report Engine
- Conducted code reviews and mentored junior developers to improve code quality and ensure adherence to best practices

Jun 2021 — Sep 2021

Software Developer Intern, United Parcel Service (UPS)

Timonium, MD

- Worked on the MDVA Dashboard project with an agile software development team
- Created Dispatch Time Usage report and Map report to visualize the driver's data using jQuery and JavaScript libraries (Chart.js and Leaflet.js)
- Performed data analysis and data visualization on the driver's data
- Refactored existing code to improve readability and maintainability, resulting in a 50% reduction in development time

Feb 2021 — Jun 2021

Computer Lab Assistant, California State University, Fullerton

Fullerton, CA

- Attended lab sections for CPSC 120 and 121 and supported the instructor during the lab Circulated and helped students with their work
- Provided hints and guided students on their labs or projects (C++ programming)
- Mentored students in computer programming and coding

Jan 2019 — Dec 2019

Embedded Software Engineer, Raytheon Space and Airborne System (SAS)

El Segundo, CA

- Supported software logistics and maintenance in C-programming for an unmanned aerial vehicle (Global Hawk) project
- Designed and performed embedded system tests (unit test, ATP, integration test, stress test) Wrote final report, design review, and data analysis using MATLAB
- Optimized code for memory and performance constraints in embedded systems

EDUCATION

Aug 2019 — Jun 2021

Master of Science, California State University, Fullerton

Fullerton

Graduated with High Honors

GPA 3.81

Aug 2016 — Jan 2019

Bachelor of Science, California State University, Fullerton

Fullerton

Graduated Cum Laude

GPA 3.65