

Mitchell Nuckols

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SKILLS

Languages: Go (5yrs), Python (4yrs), C# (2yrs), C/C++ (2yrs), Bash (3yrs), HTML/CSS (7yrs), JavaScript (7yrs)

Technologies: Linux, Git, Docker, Bamboo, Jira, JFrog Artifactory, AWS (S3, EKS, CloudFormation, Lambda)

Developer Practices: Gitflow, Scrum, Agile

EXPERIENCE

UCSD Information Technology Services

November 2021 - Present

Student Build and Release Engineer

- ❖ **Skills:** Python, Docker, Bamboo, Bitbucket, SonarQube, NiFi, Jira, Artifactory, AWS
- ❖ Test and improve CI/CD and DevOps workflows for application developers
- ❖ Write testing/QA automation tools in Python
- ❖ Design CI/CD automation for deployment to AWS Lambda, EKS, and Artifactory

UCSD Information Technology Services

February 2020 - March 2021

Student Web Developer

- ❖ **Skills:** .NET Core, EntityFramework Core, SQL Server, HTML, CSS, Angular, Jira, Bitbucket
- ❖ Developed backend web services and frontend interface for an official university degree planner
- ❖ Built RESTful web services using .NET Core that interfaced with SQL Server and web APIs

Martin Malkasian, Esq.

January 2019 - May 2019

Web Designer

- ❖ **Skills:** HTML, CSS, JavaScript, Wordpress
- ❖ Built a complete website from the ground up and configured a client-friendly hosting solution
- ❖ Repaired and maintained an existing Wordpress site

Varo-Real Investments, Inc.

March 2017 - September 2017

Lead Web Developer

- ❖ **Skills:** HTML, SASS, JavaScript, D, MongoDB
- ❖ Developed and internally deployed a web application MVP in 3 months
- ❖ Interviewed and hired other developers to the project

EDUCATION

University of California, San Diego

August 2019 - March 2023

B.S Electrical Engineering: Computer System Design

- ❖ **Skills:** C/C++, Arduino, Verilog, Matlab, SPICE simulation, PCB design, Circuit analysis, design, & testing

PROJECTS

CSE 118: Ubiquitous Computing

September 2022 - December 2022

- ❖ **Skills:** Kotlin, Java, C#, Unity, Agile
- ❖ Designed and built an AR-based navigation application for a group project
- ❖ Delivered a project report justifying both the business and technical viability of the product

ECE 141A-B: Software Foundations I & II

January 2022 - June 2022

- ❖ **Skills:** C++, SQL, GitHub, Agile
- ❖ Expanded on software engineering skills and design patterns required to build and maintain large-scale software projects
- ❖ Designed and implemented a full relational database including data persistence and an SQL-like interpreted query language

ECE 111: Advanced Digital Design Project

January 2022 - March 2022

- ❖ **Skills:** SystemVerilog, Altera Quartus, Modelsim
- ❖ Completed digital design projects, such as: CLA adder, State machines, Booth Multiplier, UART with parity checking, etc.
- ❖ Developed a SHA256 cryptographic hashing module for final project

Project In a Box

October 2021 - June 2022

- ❖ Hosted workshops and helped teach entry-level engineering concepts to K-12 and college-level students
- ❖ Taught Arduino, basic electronics, beginning engineering concepts

Summer Engineering Institute

August 2019 - September 2019

- ❖ **Skills:** Python, Matlab, Arduino, EagleCAD, Fusion 360
- ❖ Started engineering curriculum at UCSD and participated in skill-building workshops
- ❖ Completed ECE 5 and ENG 10, both of which are team-based project courses