

Daniel Zelfo

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Graduating: June 2022

EDUCATION

University of California Irvine

Bachelor of Science in Computer Science

GPA: 3.56/4.0

October 2020 – Present

Mt. San Antonio College

Associate's of Science in Mathematics

GPA: 3.91/4.0

August 2018 – June 2020

Relevant coursework: Intro Software Engineering, Intro Computer Organization, Computer Networks, Design & Analysis of Algorithms, Machine/data Mining, Intro Data Management, Principles Operating Systems, Intro Optimization, Principles System Design

EXPERIENCE

Software Engineer Intern

Garmin

Brea, CA

June 2021 – September 2021

- I developed HMI and audio software to add features to a Garmin automotive infotainment product using Java, Kotlin, C, and the Android software stack. I worked on live product hardware for testing.
- I made demo videos for associates at BMW and presented live demos of the software that I developed.

Software Engineer

Akera LLC

Chino, CA

January 2021 – Present

- I develop software using Python, C#, C++ to increase workplace productivity of client businesses.
- I design/develop websites for clients using HTML/CSS/JavaScript/PHP.
- I provide IT services including computer builds and repairs.

Web Designer

Global Brands Imports

Anaheim, CA

August 2020 – November 2020

- I designed, developed, and maintained the e-commerce website globalbrandsco.com using HTML/CSS/PHP and WordPress/WooCommerce. I configured DNS/SSL/SSO and email advertising.
- I parsed and organized over 100 products using Python to populate the product database.
- I developed software for inventory management and syncing across QuickBooks and WooCommerce using Python.

PROJECTS

AstraMonitor / AstraBot ☞ | *Python, JSON*

January 2020 – May 2020

- AstraMonitor is a discord bot that notifies users when a product restocks on Amazon/Bestbuy/Newegg/Walmart.
- In order to maximize performance as a large number of products are monitored for restocks, AstraMonitor concurrently manages a pool of threads executing parallel tasks.
- AstraBot is a discord bot that mentions roles and forwards messages to appropriate channels based on restocks.

Wearable Weather ☞ | *C, Python, HTML/CSS*

October 2019

- This Project was made in under 36 hours. It uses an Arduino (with an ESP chip and a light sensor) running software written in C to send an HTTP request containing JSON document about the state of the device to a *Rest API* on a web server that uses *Python* and the *Flask* web framework for the backend.
- The *Rest API* updates the light sensor data on the web server which allows the live page to display the updated brightness animation in the frontend using *HTML* and *CSS*.

More Projects ☞

TECHNICAL SKILLS

Languages: C, C++, C#, Java, Kotlin, Python, Julia, PHP, JS, HTML/CSS, Assembly (MIPS / x86), SQL, NoSQL, R

Frameworks / Libraries: Flask, Selenium, JavaFX, jQuery, pandas, NumPy, Matplotlib, requests, discord, pymysql, BeautifulSoup, pickle, multiprocessing, concurrent.futures

Developer Tools: WordPress, Git, Dreamweaver, cPanel, MySQL, Google Cloud Platform, VS Code, Visual Studio, Eclipse, Android Studio