

Austin Melvin *Software Engineer*

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Profile

Seeking a fast-paced and challenging work environment to further enhance my skills and contribute to meaningful projects. Has previous experience working with Python, Java, C++, and web technologies including HTML, CSS, JavaScript, TypeScript, React Js, Angular, and more. Proven adaptability and problem-solving developed through work experience and portfolio projects. Follows current tech industry trends.

Education

2021 – 2023

Bachelor of Science, Computer Science **GPA: 3.87**

University of Maryland

Classes: Computer Architecture, Software Engineering, Data Structures, Compiler Theory & Design, Secure Python Applications, Computer Algorithms, Object-Oriented Programming, Relational Databases

2018 – 2021

Bachelor of Science, Computer Engineering (Transfer into Computer Science)

Embry-Riddle Aeronautical University

Classes: Digital Circuit Design, Technical Report Writing, Engineering Design, Computer Science, Dynamics, Solid Mechanics, Graphical Communication

Projects

Evnttrack

Technologies: Angular, TypeScript, Django, PostgreSQL

Developed a sophisticated web application that organizes and displays comprehensive event information across music, sports, and various categories. The platform supports advanced filtering based on user preferences such as location, genre, and event type, ensuring personalized event discovery.

Currently developing expanded capabilities of user accounts such as event saving, detailed historical tracking, and implementing an AI-driven dashboard for personalized event recommendations based on individual likes and interests, all constructed with RESTful principles in mind.

Link: <https://austinmelvin.dev/portfolio/6-evnttrack/> 📄

Screen Shop Order Generator

Technologies: React Js, TypeScript, Electron, PDFMake (Library)

Designed and developed an intuitive desktop application for City Mill's screen repair shop, enabling efficient generation of order forms and pricing quotes. The application features interactive data-entry and visualization tools, aligns with the store's existing paper order system, and includes a configurable menu for SKU and pricing adjustments.

Link: <https://austinmelvin.dev/portfolio/4-screen-shop-app/> 📄

NASA Discord Bot Contribution (Open Source)

Technologies: JavaScript


Implemented a feature enabling users to search for and display random images and their description from the NASA Image & Video Library using keywords, enhancing interactive user engagement.

Link: <https://austinmelvin.dev/portfolio/5-nasa-discord-bot/> 📄

Hawaii Wave Condition Report

Technologies: Python, Flask, HTML, CSS

Created a dynamic webpage providing real-time wave condition reports for Oahu, Hawaii, by integrating NOAA's buoy data API, which updates every 30 minutes. The page displays crucial information like wave height, water temperature, and swell details, with scalable functionality to generate reports for any global buoy location.

Link: <https://surf-app-data.herokuapp.com/> 

Work Experience

2021/09 – present

City Mill

Sales Associate

- Developed the Screen Shop Order Generator application to streamline order processes, reducing errors and inefficiencies associated with manual paper submissions.
- Led training sessions for coworkers, covering store procedures, lock re-keying, product knowledge, maintenance, and operation of computer software, as well as troubleshooting common network and software issues.

2017/04 – 2021/05

Ace Hardware

Sales Associate

- Led training and mentoring for new hires, focusing on in-store procedures, car key programming, product knowledge, and operation of paint machines and software.
- Developed a comprehensive training manual for the paint department, enhancing procedural understanding and efficiency.
- Provided expert product recommendations to customers, managed cash transactions, and contributed to stock maintenance and account management.

2016/05 – 2017/04

Sherwin Williams

Sales Associate / Delivery Driver

- Efficiently processed and fulfilled large-scale orders to ensure timely delivery, supporting our contractor customers in maintaining their project schedules. Managed and coordinated product transfers between stores and job sites, ensuring seamless supply chain operations.

Skills

Python

JavaScript

React Js

Flask

CSS

SQL

Docker

Django

Java

TypeScript

Electron

HTML

C++

Git

Angular

PostgreSQL