

Aidan Shwom

12 Dartmouth Dr, Planview, NY | aidanshwomwork@gmail.com | (516)-479-4592

Objective

Motivated Computer Science graduate with proven technical skills and a passion for innovation, seeking to contribute expertise and drive success in a dynamic software development role.

Education

Bachelor of Science in Computer Science and Engineering, Minor in History

August 2023

University of Florida – Gainesville, Florida

Coursework: Calculus 1-3, Physics with Calculus 2, Data Structures and Algorithm, Discrete Structures, Software Engineering, Computational Linear Algebra, Database Systems, Engineering Statistics, Numerical Analysis, Programming Language Concepts, Computer Organization, Networking Essentials, Operating Systems, Interactive Modeling and Animation.

Experience

Network Infrastructure Inc. – Database Administrator, Software Engineer, & IT **August 2023 – Current**
Hempstead, NY

Streamlined payroll and accounting operations for a dynamic workforce at a construction firm by meticulously managing and updating databases. Innovated paginated reports for enhanced accessibility of critical information, empowering employees with seamless data retrieval. Spearheaded the development of Angular applications to optimize workflows, notably simplifying the onboarding process for new hires. Served as the primary liaison for IT matters, liaising effectively with consultants and proactively troubleshooting and resolving technical challenges to ensure uninterrupted office operations.

TxMQ – Intern (Software Development & IT Maintenance)
Buffalo, NY

May 2023 – August 2023

Led the development and successful production deployment of pivotal software projects, notably including an Angular-based application serving as an internal employee skills database. This application streamlined the management of employees' qualifications, facilitating seamless internal operations. Additionally, provided crucial internal technical support and aided colleagues, contributing to a collaborative problem-solving environment. Including the management of virtual machines for both internal operations and external client use, ensuring seamless functionality and optimal performance.

Projects

Independent Passion Project – Fantasy Football Trade Analytics

August 2024 – Current

Sole Developer

Developed an Angular web application that can analyze the relative value of players, using an AI-powered Python backend. Connected APIs that provide informational and historical data that allow predictive analysis to determine how a player will perform in the future.

Senior Design Project – Data Analyzation of Fitness Technologies

January 2023 – May 2023

Team Manager & Software Developer

Developed and implemented a React web application using Typescript and MongoDB as the backend. Created a robust system to process and display data from .fit files obtained from workout devices (smartphones, smartwatches, and Karoo). Implemented a user-friendly interface for custom query creation, enabling dynamic updates of graphs and charts to support data analysis and research efforts. Created and updated high-level design documentation throughout the development process.

Skills and Certifications

Computer - Java, C++, HTML/CSS, TypeScript (Angular/React), Python, MongoDB, SQL, XenOrchestra