Liam Swayne

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📍 Dublin, Ohio

EDUCATION

Carnegie Mellon University | 2024 - present
CMU College of Computer Science Student

OSU | 2022 - 2024
OSU Academy Computer Science & Data Analytics Student

Columbus State Community College | 2020 - 2024
Computer Science & Data Analytics Student

Dublin Jerome High School | 2020 - 2024
Student

SKILLS

- Problem Solving
- Communication
- Database Management (SQLite, D1, NoSQL)
- JavaScript
- Python
- C
- Full stack web development
- Independently manage objectives
- Git & GitHub
- Adobe PhotoShop, Illustrator, and Premiere Pro

CAREER OBJECTIVE

Hard-working college student with proven computer science skills. Track record of completing computer science projects and volunteering. Intend to utilize analytical and problem solving skills. Quick learner and fast-paced worker.

Experience

Volunteer - AMBER Alert messaging system (2021/9 - 2022/3)
- Created a working prototype for a system that combines AMBER Alert messages with corresponding vehicle images. Managed the project and took steps to share it with others.
- Communicated with over a dozen professionals connected to the continued improvement of AMBER Alert systems.
- Created a concise presentation that explains solution and its potential effectiveness.

Volunteer - D.N.A . Assistant Teacher (8/2022 - 5/2023)
- Volunteered for two semesters at Plain City's Daily Needs Assistance (DNA), assisting the immigrant population in Dublin's neighboring districts. The program's objective is to help students and parents learn English since a large influx of immigrant students faced language barriers that hindered their academic progress.
- Helped various age groups with learning activities.
- Provided feedback and encouragement to learners, facilitating small-group learning activities, and participated in conversations to improve speaking and listening skills.
- Experimented with different teaching techniques to maximize engagement and modified activities for the younger age groups.

Intern - MMG Design (6/2024 - 8/2024)
- Development of reusable and dynamic web components.
- Managed projects independently.
- Worked directly with clients to create complex automations involving content management and AI.

SOFTWARE & RESEARCH PROJECTS

Digital Selling Toolchain
- Constructed a 25,000 line, full-stack web application built to scale.
- Managed SQLite databases.

Carbon Neutrality Calculator
- Developed a system for minimizing carbon neutrality expenses through discrete linear system optimization.
- Designed to be highly expandable and customizable for efficient development and ease of understanding.