

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
- Time Management
- Decision Making
- Communication
- Analytical approach

CAREER OBJECTIVE

Hardworking high school/college student with proven computer science skills. Proven track record of completing computer science projects and volunteering. Intend to utilize analytical and problem solving skills.

EXPERIENCE

Volunteer - AMBER Alert messaging system

- Created a working prototype for a system that combines AMBER Alert messages with corresponding vehicle images. Used ClickUp to manage the project and organize the 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.
- Developed a proof of concept that generates a link to a publicly available image that can be sent out in addition to the regular AMBER Alert text messages.

Volunteer - D.N.A . Assistant Teacher

- Volunteered for two semesters at Plain City's Daily Needs Assistance (DNA), which assists 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.

SOFTWARE & RESEARCH PROJECTS

Digital Selling Toolchain

- Constructed a 25,000 line, full-stack web application built to scale.
- Managed SQLite databases.
- Automated checking for safe user interaction.

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.