

Owen Edwards

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EDUCATION

- **University of Cincinnati** Cincinnati, Ohio
Bachelor of Science - Computer Science; GPA: 3.68 *August 2021 - May 2026*
Courses: Programming Languages, Data Structures, Computer Systems, Python Programming, Information Security, Technical Writing
- **University of Cincinnati** Cincinnati, Ohio
Master of Science, MS - Computer Science *August 2021 - May 2026*
5-year Accelerated (BS / MS) Program

SKILLS SUMMARY

- **Languages:** Python, C++, C, Bash, Java (Foundational)
- **Certifications:** CompTIA IT Fundamentals, Microsoft Certified: Azure Fundamentals
- **Platforms:** Windows, Linux
- **Tools:** GIT, Visual Studio, Visual Studio Code, Eclipse, L^AT_EX
- **Web:** HTML, CSS, JavaScript (Foundational), Bootstrap

EXPERIENCE

- **Siemens Digital Industries Software** Milford, OH
Software Development Co-op *January 2023 - Present*
 - **3D Modeling:** Developed software on the Model-Based Definition team for Siemens NX CAD software, enhancing Drafting and Product Manufacturing Information functional areas.
 - **Object-Oriented Programming in C++:** Improved existing legacy features by integrating new C++ APIs in heavily object-oriented design.
 - **Testing:** Resolved Problem Reports on Drafting application to improve functional area quality, utilizing Visual Studio debugger and generating autotest XML scripts to integrate solutions.
 - **Requirements Engineering:** Implemented Customer Defaults on project work, developing client design specifications.
- **University of Cincinnati - College of Engineering and Applied Sciences** Cincinnati, OH
Engineering Teaching Assistant *August 2022 - December 2022*
 - **Mentorship:** Mentored 24 first-year engineering students in engineering best practices and co-op search advice in the first-year engineering course, effectively speaking to them as an audience.
 - **Engineering Design Thinking:** Tutored groups of students with no experience in programming how to code in Python, use flowcharts, and utilize the problem presentation method.
 - **Communication:** Responsibly corresponded emails and grades between myself and 76 other students on a weekly basis.
- **University of Cincinnati Libraries** Cincinnati, OH
Library Assistant *September 2021 - Present*
 - **Service:** Assisted library patrons regarding technical inquiries such as printing and scanning papers, locating books with the Library of Congress Classification system, and providing directions for new students and faculty.
 - **Customer Service:** Employed customer service and conflict resolution practices to best handle patron affairs.
 - **Responsibility:** Entrusted to conduct opening and closing of the facility and administering locations without oversight.

PROJECTS

- **Portfolio Website (Front-End Web Development):** Developed mobile responsive static website and committed to GitHub Pages web hosting. Tech: Visual Studio Code, GIT, HTML, CSS, Bootstrap (June '22)
- **The Threat Within - Cybersecurity Virtual Apprenticeship (Cybersecurity):** Led team of 4 to present weekly deliverables over 5 months, integrating cybersecurity frameworks and incident response methodologies in a case study, obtaining 90 workforce hours experience. Tech: Cybersecurity (December '22)
- **Autonomous Product Retrieval System (Project Management):** First-year engineering project, designed robot capable of collision avoidance, utilized project management techniques in technical report. Tech: Python, Visual Basic for Applications (April '22)

HONORS AND AWARDS

- Dean's List - Every Academic Semester
- Students in STEM Scholarship - December, 2021
- AP Scholar - July, 2021