

# CHRISTIAN GRABER

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## EDUCATION

### University of Cincinnati

Bachelor of Science in Computer Science

Cincinnati, OH

Graduating: May 2026

- **Study Abroad:** ZHAW School of Engineering – Winterthur, Switzerland (Aug 2024 – Dec 2025)
- Relevant Coursework: Algorithms, Databases, Operating Systems, Software Engineering, Image Processing, IoT.

## EXPERIENCE

### Cincinnati Children's Hospital

Cincinnati, OH

Software Engineering Intern

May 2025 – August 2025

- Developed 3+ functional components for a full-stack internal management application from the ground up using React, TypeScript, and C# .NET, improving data workflow efficiency and speed for clinical staff by 25%.
- Engineered secure .NET APIs with user SSO and role-based authentication to process and display sensitive nested data for over 500 internal employees.
- Collaborated in a compact Agile team of 5 to rapidly design and deploy widely used solutions for a large-scale global medical organization, delivering features in 2-week sprints.

### Leonardo DRS

Dayton, OH

Software Engineering Intern

January 2025 – May 2025

- Developed and unit tested 3+ secure, low-level cryptographic solutions in C++ for mission-critical military radio systems, enhancing data security protocols.
- Authored Python scripts to automate the migration of over 50 repositories from GitLab to GitHub, ensuring the preservation of all commit history and versioning, saving 40+ hours of manual work.
- Re-engineered a Docker build system for GitHub integration, creating an offline process with automated artifact generation and package management, eliminating manual build times by 100%.

### MRI Software

Cleveland, OH

Software Engineering Intern

May 2024 – Aug 2024

- Developed over 10 API endpoints in C# .NET, using MSSQL to improve data access and security efficiency by 20%.
- Modernized external-facing pages by migrating to C#.NET, improving page load speed by 50% and implementing RESTful APIs for enhanced security.
- Led a fundraising initiative raising \$10,000 for a non-profit cause.

### Midmark Corporation

Versailles, OH

Software Engineering Intern

Aug 2023 – Dec 2023, Jan 2023 – Apr 2023

- Developed internal C# tools, reducing bugs by 15% and improving software stability.
- Optimized RESTful APIs, reducing response times by 10% and improving data retrieval efficiency.

## PROJECTS

### ResuMancer

React, Python, Flask, AWS (S3, Beanstalk, Bedrock)

- Developed an AI-powered resume optimizer leveraging Generative AI (AWS Bedrock) and NLP (AWS Comprehend) to provide users with actionable feedback and improvements.
- Engineered a full-stack application with a React frontend and Flask backend, deployed on AWS Elastic Beanstalk, utilizing S3 for document storage and Textract for OCR.

### ForumHub

React, JavaScript, Java, PostgreSQL

- Developed a dynamic React-based forum website hosted on Azure, featuring a modern architecture and interface using Java (Spring Boot) for the backend, React for the frontend, and PostgreSQL for data storage.

## COMMUNITY & LEADERSHIP

### Tau Kappa Epsilon Fraternity

Cincinnati, OH

Historian

Aug 2020 – Present

- Organized and managed alumni relations with the chapter, boosting scholarship funds by 30%.

### UC Robotics Club

Cincinnati, OH

Secretary

Aug 2021 – Present

- Implemented object detection in the club's robot using OpenCV, ROS2, and Rviz, decreasing collisions by 3x.

## SKILLS

**Languages:** TypeScript, JavaScript, Python, C#, Java, SQL, HTML, CSS, C++, C, Bash, JSON, XML, Kotlin

**Technologies:** Azure, Docker, React.js, Angular, MongoDB, Tailwind, Spring, ASP.NET, Node.js, Google Cloud

**Concepts:** RESTful APIs, Containerization, Cloud, Linux, Full-stack, Backend, Frontend, Web Development, Unit Testing, Distributed Computing, Web Frameworks, Database Design, Software Engineering, Mobile Development, Agile Methodologies, Cross-Platform Development, Responsive Design, Microservices

AVAILABLE FOR FULL-TIME SOFTWARE ENGINEER: SUMMER 2026