**Nathan Grilliot**

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**EDUCATION**

**University of Cincinnati Graduating: May 2026**

*Bachelor of Science*, Computer Science; *Minor,* Software Engineering GPA: 3.75/4.0

* Primary Coursework: Design and Analysis of Algorithms, Database Design and Development, Web Application Programming, Software Engineering, Data Structures and Algorithms, Python Programming

**SKILLS**

**Programming:** Python, SQL, C++, R, HTML, CSS, JavaScript, PHP

**Software:** AWS, LabVIEW, MATLAB**,** Word, Excel, PowerPoint, GitHub, Power BI, Visual Basic for Applications

EXPERIENCE

**Medpace |** Cincinnati, Ohio **Aug 2024 – Dec 2024**

Informatics Intern

* Designed data visualizations in R, providing actionable insights that contributed to securing new business deals
* Queried complex relational databases using SQL, supporting data-driven decisions in clinical trial design
* Led interdepartmental project to create new data to aid in clinical trial site selection process using SQL and Power BI
* Collaborated with international team on a new informational dashboard with R Shiny, HTML, and CSS
* Enhanced the team’s web proposal system with Quarto, HTML, and CSS, creating a more interactive and user-friendly platform for client engagement

**ElectraMet |** Lexington, Kentucky **May 2023 – Apr 2024**

Computer Science and Software Developer Intern

* Led the development of internal product configuration software, working with fellow employees to improve efficiency
* Utilized Flask framework and SQLite database to store customer quotes, calculate bills of materials, and increase quote accuracy through centralized calculations
* Developed website front end with HTML and CSS, creating a user-friendly interface for employees to interact with
* Deployed new iterations of website using Docker containers and an Amazon Web Services ec2 instance
* Worked directly with sales engineers to increase customer awareness of product capabilities
* Analyzed data from customer deployments for anomalies using Pandas and SciKit Learn, detecting issues in real time

**Rohs Street Café |** Cincinnati, Ohio  **Aug 2022 – Present**

Volunteer Café Assistant

* Serve coffee to the local community surrounding the University of Cincinnati as part of a nonprofit
* Connect with customers through conversation to create better experiences alongside coworkers

**PROJECTS**

**Manage Me Website |** Python, HTML, CSS, & JavaScript  **Feb 2023**

Develop a task management website to increase users’ productivity as a member of a team at the Revolution UC Hackathon

* Track user information with Flask-SQL Alchemy to save information
* Host website using Google Cloud and domain.com

**Poli-Search Website |** Python, HTML, & CSS  **Oct 2022**

* Built a website as part of a team during the Make UC Hackathon
* Collaborated with upper-level UC students to develop political candidate research website
* Utilized a variety of coding languages such as HTML and CSS to design a visually appealing and functional website

**ACTIVITIES**

**Association for Computing Machinery |** Member **Jan 2023 – Present**

* Learn about programming and software as part of an interdisciplinary organization
* Attended bi-weekly meetings on various new topics in computer science

**IEEE at UC |** Member **Jan 2023 – Present**

* Network with others in technical majors, specifically computer science and engineering

**AWARDS & HONORS**

**Cincinnatus Scholarship ($2000 annually) Aug 2022 – Present**

**Dean’s List Aug 2022 – Present**

**Milford Schools Foundation Scholarship Recipient ($5000) Aug 2022 – May 2024**

**Eagle Scout Sep 2021**