

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, TypeScript, PHP

Software: GitHub, Power BI, Snowflake, AWS, Word, Excel, PowerPoint, Visual Basic for Applications

EXPERIENCE

Medpace | Cincinnati, Ohio

Aug 2024 – Dec 2024

Informatics Analyst 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 web proposal system using Quarto, HTML, and CSS, improving interactivity and user engagement
- Improved data reliability through review of internal and external data sources using SQL and R

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

DevBits | TypeScript, Go, SQL

Nov 2024 – Present

- Led development of React Native frontend for a multiplatform application aimed at connecting developers
- Assisted with backend database design and API integration using Go and PostgreSQL
- Designed modern user interface to improve overall app experience

Resume2Web | TypeScript, Python, HTML, & CSS

Nov 2024

- Worked as part of a two person team to create a functional React application in a twenty-four hour timeframe
- Parsed uploaded resume information into editable text grouped by relevant category
- Increased resume interactivity through a user-configurable website, allowing size, font, and color customization

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

AVAILABLE FOR FOURTH CO-OP: SUMMER 2025