

ELIZABETH WATSON

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EDUCATION

Bachelor of Science in Computer Engineering

Expected Graduation: May 2028

Minor in Computer Science

University of Cincinnati

- GPA: 3.67

High School Honors Diploma, Class Valedictorian

May 2023

Deer Park High School, Cincinnati, Ohio

- GPA: 4.00

EXPERIENCE

Software Developer Intern

August 2024 – Present

London Computer Systems, Mason, Ohio

- Revamped the architecture of Unit Details to enhance performance by implementing a standard layout view stack system and minimal save/load functionality.
- Optimized data handling by streamlining and regulating data retrieval based on privileges and leveraging base layer and direct SQL queries for improved efficiency.

Firmware Engineer Intern

June 2024 – August 2024

SCRAM Systems, Sharonville, Ohio

- Created a new WinForms application in C# .NET that acted as an SD Card Log Generation Tool to assess the capabilities of firmware, in C, and aid in speeding up testing.
- Improved functionality to provide MBRS Ireland Breath Alcohol accuracy testing of the L250 BAID by modification of existing software tool written in C# .NET that communicates with 250 platform devices.

College of Engineering and Applied Science Tribunal, Social Events Chair

September 2023 – Present

CEAS Tribunal, Cincinnati, Ohio

- Collectively organized 22 events including Cincinnati sporting events and on campus socials.
- Events targeted at the engineering student body in order to build camaraderie and morality.

LEADERSHIP, ACTIVITIES, & SERVICE

Society of Women Engineers Intern

September 2024 – Present

University of Cincinnati, Cincinnati, Ohio

- Attends bi-weekly meetings to discuss current and future events.
- Helps maintain the SWE social media to promote events and resources to the engineering student body.

Volunteer for Bearcat Buddies

January 2024 – May 2024

Hughes Stem High School, Cincinnati, Ohio

- Tutored high school students in the 9-12 grade weekly.
- Specifically assisted 10th graders in algebra and 12th graders in English.

Participant in MakeUC Hack-a-thon

November 2023

University of Cincinnati, Cincinnati, Ohio

- Coordinated and worked on a project as the Lead Python Developer for 24 hours.
- Created an education language assessor for students which had several unique functionalities.

Volunteer for Bearcat Coders

October 2023 – December 2023

Hughes Stem High School, Cincinnati, Ohio

- Advised and encouraged high school students with in-class problems weekly.
- Engaged in helping the class with technology and computer-based discussions.

AWARDS & HONORS

Dean's List

Aug 2023 - Present

University of Cincinnati, Cincinnati, Ohio

Cincinnatus Scholarship

Aug 2023 - Present

University of Cincinnati, Cincinnati, Ohio

SKILLS

Computational Skills: LabVIEW, Python, C++, Excel, PowerPoint, Microsoft 365, C#, C, Visual Basic Applications, MATLAB, TypeScript, HTML, CSS, SASS, SQL, HeidiSQL, Angular, GitLab, Git