

Richard Roberts

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EDUCATION

University of Cincinnati

Bachelor of Science, Computer Science, **3.751 GPA**

Cincinnati, OH

Graduation Date: May 2025

TECHNICAL SKILLS

Programming: JavaScript, Python, C++, C#, TypeScript, SQL, Vue.js, React, HTML, CSS

Software: GitHub, Git, Visual Studio Code, Visual Studio, SQL Server Management Studio, Jira

WORK EXPERIENCE

FOX Sports

Blue Ash, OH

Software Engineer Co-op

May 2024 - Oct 2024

- Developed production-quality **JavaScript** and **Vue.js** code for key pages and features on foxsports.com, creating **solutions for over 20 user stories** and defects
- Enhanced interns' knowledge of other teams' responsibilities and technologies by leading weekly meetings, resulting in improved product knowledge, confidence in presenting work, and strengthened comradery
- Implemented SEO enhancements to **increase page visits by up to 14%** by cleaning canonical page URLs and standardizing video's upload date format used in site metadata
- Built features to promote user interaction and increase personalization by retrieving values from the site's **Bifrost API** to implement user favoriting functionality on multiple pages

Software Engineer Co-op

Aug 2023 - Dec 2023

- Improved user experience on foxsports.com for over **20 million monthly users** by resolving bugs, addressing design issues, and developing new component code using the **Vue.js** framework, **JavaScript**, **HTML**, and **CSS**
- Upgraded FOX's Super 6 contest, boosting user engagement by altering components to enable users to view each other's contest entries, automatically sort answers by player performance rankings, and display correct error messages
- Utilized web development skills to **increase team output by 15%** by engineering UI features and bug fixes

The Cincinnati Insurance Companies

Fairfield, OH

Software Developer Intern

Jan 2023 - May 2023

- Increased code testing to over 90%** by designing and maintaining **C# unit tests** for ongoing project development
- Optimized testing workflows by creating **SQL** scripts to easily analyze local development testing results
- Conceptualized plans to improve departmental efficiency among hybrid workers by leading an intern team to collect and analyze department performance statistics, employee feedback, and team budgets
- Reduced technical debt by **refactoring over 1,000 lines of C# code** and minimizing third-party service usage during insurance policy creation to satisfy new requirements

PROJECT EXPERIENCE

University of Cincinnati

Cincinnati, OH

Workout Analytics

May 2023 - Aug 2023

- Built a **Python** app that allows users to create profiles, import Apple Health workout XML files, input cardio goals, and display training suggestions with a graphical representation of performance metrics using **pandas** and **matplotlib**
- Maximized analytical accuracy by **asserting results for 100%** of the project's computational code by engineering individual unit tests for each method using the **Python unittest** library

ACTIVITIES

Delta Tau Delta

Cincinnati, OH

Gamma Xi Chapter Member

Nov 2020 - Sep 2024

- Served on the philanthropy committee to organize fundraising that **contributed \$12,500** to the Juvenile Diabetes Research Foundation, the ritual team to perform initiation rituals for new members, and the fall 2023 honor board

UC Dance Marathon

Cincinnati, OH

General Body Member

Aug 2022 - Jan 2024

- Assisted in organizing fundraising events that **raised \$51,000** for patient treatment at Cincinnati Children's Hospital