Richard Roberts

roberts.richard.fr@gmail.com | linkedin.com/in/roberts-richard/ | github.com/rickslick3

EDUCATION

University of Cincinnati   **GPA: 3.751**
Bachelor of Science, Computer Science   *Graduation Date: May 2025*

TECHNICAL SKILLS

Programming: Python, JavaScript, C++, C#, TypeScript, SQL, HTML, CSS
Software: Git, GitHub, SQL Server Management Studio, AWS, Azure
Libraries/Other: VUE.js, React, Flask, Pandas, Scikit-Learn, CUDA, OpenAI API

WORK EXPERIENCE

FOX Sports | Blue Ash, OH   **May 2024 – Oct 2024**
Software Engineer Co-op

- Engineered JavaScript and Vue.js solutions to over 20 user stories for high-traffic pages on foxsports.com
- Led 15+ weekly meetings for interns to share insight into team's responsibilities and technologies, resulting in improved product knowledge, confidence in presenting work, and strengthened camaraderie
- Enhanced SEO by cleaning canonical page URLs and standardizing content format used in site metadata to increase web page visits by up to 14%
- Implemented favoriting on 4 new pages to increase user personalization by retrieving values from FOX Sports API and updating the user's favorites storage

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
- Utilized modern web development techniques to increase team output by 15% by engineering features and bug fixes
- Upgraded FOX's Super 6 contest, boosting user engagement by enabling users to view each other's contest entries, automatically sort answers by player performance rankings, and display instructive tool-tips

The Cincinnati Insurance Companies | Fairfield, OH   **Jan 2023 – May 2023**
Software Developer Intern

- Built and maintained C# unit tests to increase testing coverage from 70% to 90% for ongoing project development
- Designed SQL scripts to optimize local testing by easily analyzing development testing results
- Reduced technical debt by refactoring over 1,000 lines of C# code and minimizing third-party service usage during insurance policy creation
- Conceptualized plans to improve departmental efficiency among hybrid workers by leading a team to collect and analyze department performance statistics, employee feedback, and team budgets

PROJECTS

CBT Chatbot | React, Python   **Aug 2024 – Present**

- Programming a web app chatbot that incorporates large language models to guide a user through sessions of cognitive behavioral therapy using static prompt engineering and function calling

Customer Churn Analytics | Python, Flask, Azure   **Nov 2024 – Dec 2024**

- Created a website displaying an analytics dashboard and machine learning analysis to predict customer churn trends
- Utilized Flask for the user interface, Azure SQL database for data storage, and Scikit-Learn for data analysis

ACTIVITIES

Delta Tau Delta | *Gamma Xi Chapter Member*   **Oct 2020 – Aug 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 | *General Body Member*   **Aug 2022 – Jan 2024**

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