

Conor Fabian

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EDUCATION

University of California, Riverside

September 2021 - Present

Bachelor's of Science in Computer Science, Dean's Honor List

Riverside, CA

- Relevant Coursework: C++ Programming, Object-Oriented Programming, Data Structures and Algorithms, Discrete Structures, Software Construction, Design and Architecture of Computer Systems, Artificial Intelligence

EXPERIENCE

Software Engineer Intern

June 2024 - Present

University of California, Riverside School of Business

Riverside, CA

- Updated and maintained website by utilizing JavaScript and HTML/CSS, resulting in improved website performance and user experience and a **50%** decrease in reported issues
- Collaborated with a small team to design and integrate new features, improving user engagement and satisfaction, and contributing to a **30%** increase in website traffic
- Streamlined accessibility features on the UC Riverside School of Business website ensuring compliance with ADA guidelines and increasing accessibility and quality assurance ratings by an average of **25%**
- Enhanced website SEO by implementing keyword optimization, page load speed, internal linking, and more, resulting in a **15%** increase in organic search traffic and a higher search engine ranking

Software Engineer Experience

June 2023

J.P. Morgan Chase & Co.

Virtual

- Boosted stock analysis efficiency by **30%** by using React, Git, and Typescript to resolve issues in a broken client datafeed script and implementing unit tests
- Enhanced data visualization capabilities by **25%** through proficiently implementing the Perspective open source code and patching issues in broken TypeScript files

PROJECTS

ML NBA Betting Predictor | *React, Tailwind CSS, Flask, Python, scikit-learn*

July 2024 - Present

- Engineered and deployed a machine learning PrizePicks bot that utilizes linear regression based on historical data and twitter sentiment analysis to accurately predict a NBA player's game performance
- Attained a success rate of **65%** in effectively predicting betting outcomes, resulting in a substantial **20%** surge in investment profitability

Spotify Song Recommender | *Flask, Python, HTML/CSS*

[Link](#) | January 2024 - March 2024

- Developed and launched a full-stack song recommendation dynamic web app using Flask, Python, and HTML/CSS to attract and engage **100+ daily users**
- Enhanced user experience by **90%** by utilizing Spotify's restful API to gain access to 80+ million songs
- Achieved a **75% increase** in accuracy for personalized song recommendations by implementing a content-based algorithm that leverages key song attributes, including genre, tempo, and acousticness

Chess | *C++, Git*

September 2023 - December 2023

- Developed a fully functional chess application by utilizing object-oriented programming principles to design and implement the complete rules and logic of chess within the terminal environment
- Attained a **92%** user satisfaction rate by leveraging Git to integrate new features, bug fixes, and utilize test cases further enhancing the overall quality and reliability of the application

TECHNICAL SKILLS

Languages: C++, Python, C, PostgreSQL, HTML, CSS, JavaScript, TypeScript

Developer Tools: GitHub, Linux, Docker, Google Colab

Libraries/Frameworks: Flask, scikit-learn, Tailwind CSS, Plotly, pandas

LEADERSHIP & AWARDS

Eagle Scout

December 2020

Boy Scouts of America

Temecula, CA

- Attained rank of Eagle Scout after **10+ years** of leadership, including roles such as Assistant Senior Patrol Leader, Troop Guide Director, and Troop Quartermaster for **300+ individuals**