

Jacob Shade

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EMPLOYMENT

Software Engineer

Fleetwire

- Developed a car rental business dashboard in React, providing the clients with a real-time data visualization and analysis of critical business metrics.
- Built a Discord automation bot that integrates with the Google Sheets API, enabling the clients to automate data entry and streamline their workflows leading to increased productivity.

Software Engineer, Intern

Lion Federal

- Developed a web UI test automation framework in Ruby and Selenium, enhancing testing efficiency.
- Created an English-like scripting development language using regular expressions.
- Maintained and updated the Lion Federal website on a regular basis using HTML, CSS, and JavaScript.

EDUCATION

George Mason University

- Bachelor of Science in Computer Science, Expected Dec 2024
- Relevant Coursework: Database Concepts, Data Structures, Analysis of Algorithms, Software Testing/Maintenance, Object-Oriented Software Design, Networking, Machine Learning

TECHNICAL EXPERIENCE

Sports Upward

- Developed a responsive sports CMS web application using Next.js and Supabase, implementing real-time data synchronization, user authentication, and dynamic content management.
- Designed and optimized PostgreSQL database schemas to handle complex data relationships, such as teams, players, events, and user interactions, ensuring efficient query performance.
- Utilized server-side rendering (SSR) and static site generation (SSG) features of Next.js to enhance application performance and SEO, leading to improved load times and search engine rankings.

Fake News Classifier

- Developed a machine learning application leveraging k-nearest neighbors, decision trees, and random forest algorithms to assess the credibility of news articles.
- Enhanced classification accuracy with lemmatization, stop word removal, and TF-IDF vectorization.

Netflix Database

- Developed a scalable database to manage users, movies, actors/actresses, profiles, and ratings.
- Designed an entity-relationship diagram (ERD) and schema to model system requirements.
- Implemented a CLI program using JDBC for querying the Oracle DBMS.

LEADERSHIP EXPERIENCE

Non-Profit Founder

Lake Braddock Ultimate Frisbee Club

- Hosted tournaments with 750+ participants and raised over \$10,000 annually.
- Significantly increased participation from 15 to 90 players in five years, fostering remarkable growth, a positive culture, and enhancing the club's reputation and appeal.
- Cultivated strong relationships with parents, community leaders, and local schools to promote the club's presence and encourage youth participation.

Shift Manager

Starbucks

- Increased our customer connection score from 32% to 63% through targeted engagement strategies.
- Cultivated a growth culture by providing continuous coaching and constructive feedback.

LANGUAGES & TECHNOLOGIES

Python, Java, Go, SQL, C, JavaScript, React, Nextjs, Express, Node, Ruby, PHP, HTML, CSS, Git, GitHub

CERTIFICATIONS

CompTIA A+