Jacob Shade

(540)-818-9582 | shadejacob@gmail.com | jacobshade.com | U.S. Citizen

EDUCATION

George Mason University — Fairfax, VA
Bachelor of Science in Computer Science — *Dec 2024*
Certification: CompTIA A+

EXPERIENCE

Software Engineer — Aug. 2023 – Aug. 2024
Fleetwire — *Denver, CO*
- 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 — Dec. 2019 – May 2020
Lion Federal — *Tysons, VA*
- 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

PROJECTS

Admin Logistics | *Go, React, Python, MySQL, Docker, GoFiber, Tailwind CSS* — Nov 2024 – Present
- Developed a full-stack web application with Go serving a REST API with React as the frontend
- Followed Clean Architecture principals by separating the core business logic from the requests and database
- Implemented a secure authentication system integrating Google OAuth 2.0 with session cookies stored in MySQL

Fake News Classifier | *Python, pandas, numpy, nltk* — Dec 2020
- 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 | *Java, SQL, JDBC, Oracle DBMS* — Dec 2019
- Developed a scalable database to manage users, movies, actors/actresses, profiles, and ratings
- Designed an entity-relationship diagram and schema to model system requirements
- Implemented a CLI program using JDBC for querying the Oracle DBMS

LEADERSHIP

LBUC | *Non-Profit Founder* — Aug 2019 – Present
- Organized tournaments that gathered 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 organization's presence and encourage youth participation

Starbucks | *Shift Manager* — Mar. 2023 – Present
- Increased our customer connection score from 32% to 63% through targeted engagement strategies
- Cultivated a growth culture by providing continuous coaching and constructive feedback

TECHNICAL SKILLS

Languages: Go, Python, Java, C/C++, SQL, TypeScript, JavaScript, HTML/CSS, Ruby, PHP
Frameworks: React, Node.js, Express, Fiber, JUnit, WordPress, Tailwind
Developer Tools: Git, Docker, AWS, VS Code