Ryan Langdon

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Potomac Falls, VA

Summary

Passionate and solution-driven Computer Science graduate with strong foundational skills. Supports team success through effective communication and collaboration. Proven ability to learn quickly and apply new technologies. Comfortable working with a wide variety of programming languages and platforms.

Skills & Achievements

- Experienced in programming with C, C#, Java, Python, Go, and JavaScript.
- Wrote two web apps using React and Blazor (HTML and CSS).
- Proficient with RESTful APIs. Developed three programs using RESTful architecture.
- Designed and implemented an Oracle database using SQL Developer, connected with JDBC.
- Wrote queries for MongoDB database of over 2,000 movies (NoSQL).
- Used containerization software (Docker) to host Apache web server.
- Set up CI/CD pipeline for GitHub using automated build tools (Maven).
- Certified Microsoft Office Specialist.
- Experience operating and troubleshooting both Linux and Windows systems.
- Strong communication and organizational skills.

Projects & Experience

Tic-Tac-Toe Web App - [View it here](#)   March 2025

Created a tic-tac-toe game using Blazor, a framework within the .NET platform. The web app is hosted on GitHub Pages and allows you to play local multiplayer or against an AI. The AI has a variety of difficulty settings including an impossible mode which implements the Minimax algorithm to play the game optimally.

PatriotHacks 2024 (Hackathon)   Fall 2024

Built a React web app that used the Google Maps API to display houses for sale around a user specified location. Integrated into Django on the backend to tailor house selection to user's preferences. Learned three different technologies within the 48-hour time limit.

Networking   Spring 2024

Implemented a variety of network protocols including a DNS client, mockup TCP data transfer, and a distributed distance vector routing algorithm. Used Wireshark to analyze network activity and troubleshoot problems.

Kaggle Competition   Fall 2023

Participated in *Housing Prices – Advanced Regression Techniques* Kaggle competition. Worked in a team of three to create an ensemble machine learning model. Placed 796th out of 4939 entrants. Documented results in a seven-page writeup including charts to illustrate the model's capabilities.

Education

B.S. in Computer Science   **George Mason University; Fairfax, Virginia**
Graduated December 2024
Honors: Magna cum laude, Dean's List all semesters
GPA: 3.79   In-Major GPA: 3.82