

# Ryan Langdon

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Passionate and solution-driven Computer Science graduate with strong foundational skills. Supports team success through effective communication and collaboration. A quick learner who is comfortable working with a wide variety of programming languages and technologies.

## Education

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### 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

## Skills & Achievements

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- Experienced in programming with C, C#, Java, Python, Go, JavaScript, Haskell, and Lisp.
- Designed and implemented an Oracle database using SQL Developer, connected with JDBC.
- Wrote queries for MongoDB database of over 2000 movies (NoSQL).
- Used containerization software (Docker) to host Apache web server.
- Set up CI/CD pipeline for GitHub using automated build tools (Maven).
- Usage of version control software in over a dozen projects (Git, Plastic SCM).
- Certified Microsoft Office Specialist.
- Proficient in operating and troubleshooting both Linux and Windows systems.
- Ability to approach and solve problems with excellent analytical skills.
- Strong communication and organizational skills.

## Projects & Experience

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### PatriotHacks 2024 (Hackathon)

**Fall 2024**

Built a front-end React application 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.

### 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.

### Machine Learning

**Fall 2023**

Implemented KNN, Apriori, linear regression, and matrix factorization algorithms for various machine learning tasks including image recognition, association rule mining, and recommender systems.

### Kaggle Competition

**Fall 2023**

Participated in Housing Prices – Advanced Regression Techniques Kaggle competition. Worked in a team of three to create an ensemble model of a neural network and decision forest. Placed 796<sup>th</sup> out of 4939 entrants. Documented results in a seven-page writeup including various charts to illustrate the model's capabilities.

## Job History

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**Team Member, Panera Bread;** Sterling, Virginia

**May 2023 – Present**

- Trusted with additional responsibilities as a Delivery Driver

**Uber Eats Driver, Uber EATS**

**May 2022 – August 2022**

**Customer Service Associate, Harris Teeter;** Sterling, Virginia

**May 2018 – August 2019**