Ryder Lane

github.com/ryderlane www.linkedin.com/in/ryder-lane ryder-lane.dev

Education

West Virginia University - *B.S. in Computer Science*   *Morgantown, WV | Expected*: December 2026

Coursework: Software Engineering, Object-Oriented Programming, Data Structures & Algorithms, Discrete Math, Linear Algebra, Probability & Statistics, Calculus, Operating Systems

Technical Skills

Programming Languages: Java, C/C++, Python, HTML/CSS/JS

Web Frameworks & Tools: React, Next.js, Flask, Git/GitHub, Unix/Linux, Agile/Scrum methodologies

Soft Skills: Leadership, Collaborative Teamwork, Problem Solving, Analytical Thinking, Strong Communication, Quick Learner

Experience

Going, Going, Gone! | *Salesfloor Footwear Teammate*   *King Of Prussia, PA* | May 2025 – Present

- Delivered exceptional customer service in a fast-paced retail environment by identifying customer requirements and recommending appropriate products, demonstrating effective communication and interpersonal skills
- Managed point-of-sale systems and maintained organized product displays and inventory, emphasizing attention to detail

Utz Snack Foods | *Packer*   *Hanover, PA* | May – August 2024

- Ensured adherence to strict quality and safety standards while packaging products on production lines
- Coordinated with a diverse team to meet daily output goals and used problem-solving skills to overcome language barriers and workflow obstacles, showcasing communication and teamwork.

The Upper Crust | *Host*   *Gettysburg, PA* | January – August 2023

- Managed reservation systems and optimized table assignments to improve operational efficiency and customer satisfaction.
- Communicated effectively with kitchen staff and service teams to prioritize tasks and mitigate bottlenecks

Quail Valley Golf Club | *Pro Shop Attendant*   *Littlestown, PA* | May 2021 – August 2022

- Provided top-tier customer service by assisting guests, and reserving tee times. Maintained a well organized pro shop while handling transactions accurately, while communicating with golfers and staff to ensure a good experience on and off the course.

Academic Projects/Relevant Coursework

Software Engineering | Java, Git, Scrum

- Led a multi-member team through the full software development lifecycle to design, develop, test, and deploy a term-long application using Agile/Scrum practices and version control with Git and GitHub.
- Conducted requirements analysis, created UML diagrams, implemented design patterns, wrote unit tests, and performed code reviews to ensure code quality and maintainability.

File and Data Structures | Java

- Implemented various data structures including symbol tables, hash tables, balanced trees and indexed file systems in Java, applying algorithm analysis to evaluate performance trade-offs.

Computer System Concepts| C/C++

- Developed programs in C and C++ focusing on memory management, pointers, recursion, modularization, and low-level system interactions

Technical Proficiencies

- **Java:** Proficient in object-oriented programming, concurrency, multithreading, data structures, algorithmic optimization, and using standard libraries; experienced in developing scalable applications and troubleshooting with debugging tools.
- **C/C++:** Skilled in low-level programming, memory management, pointers, and performance optimization; capable of writing efficient code for algorithms and systems applications.
- **Python:** Experienced in scripting, automation, and backend development using Flask; proficient in data manipulation libraries and implementing algorithms for data analysis.
- **JavaScript / HTML / CSS:** Proficient in building responsive web interfaces using modern front-end frameworks like React and Next.js; understanding of DOM manipulation, RESTful APIs, and web accessibility standards.