

ISAAC RIDER

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Personal Website:

🌐 <https://isaacrider.github.io/>

Education

University of Missouri

Bachelor of Science in Computer Science

Aug. 2022 – May 2026

Columbia, Missouri

Relevant Coursework

- Calculus 3
- Assembly Language
- OOP
- Database Applications
- Neuroscience
- Artificial Intelligence
- Physics
- Discrete Math

Experience

Lawn Care (Self-Employed)

Lawn Care Provider

May 2018 – Present

Lee's Summit, Missouri

- Trimmed and edged lawns to achieve precise, clean lines and a professional appearance.
- Mowed lawns with attention to detail, ensuring even cuts and optimal grass health.
- Diagnosed and repaired lawn equipment on-site, minimizing downtime and ensuring efficient operation.

Parking Maintenance

Parking Operations Attendant

Feb. 2024 – Present

Columbia, Missouri

- Provided excellent customer service, assisting patrons with directions, payment guidance, and general inquiries.
- Conducted routine inspections of parking equipment and facilities, reporting maintenance issues to ensure a clean and operational environment.
- Managed high-pressure situations with professionalism, effectively handling peak traffic times and customer complaints.

Projects

CropAI | *Python, APIs, HTML, JavaScript, AI*

Nov. 2024

- Implemented APIs from Google Images, ChatGPT, OpenMETRO, and SoilGrids, enabling access to image data, language models, climate data, and soil information.
- Created tailored prompts for ChatGPT to ensure precise and context-aware outputs, providing users with accurate crop recommendations and responses to inquiries.
- Visit my project on GitHub! It's in the TigerHacks-2024-Agriculture repo.

Dungeons and Dragons Game | *Java, Eclipse*

Apr. 2024

- Designed and developed an interactive Dungeons and Dragons (DandD) game in Java, applying object-oriented programming (OOP) principles to create a scalable and modular codebase.
- Employed inheritance and polymorphism to define distinct character classes with unique abilities, enhancing code flexibility and maintainability.
- Visit my project on GitHub! It's in the G-CS3330-FinalProject repo.

F1 Database | *Java, SQL, Visual Studio Code, MySQL*

Apr. 2024

- Developed and managed a relational F1 database using Java, enabling efficient data retrieval, updates, and analysis of F1 race statistics.
- Designed and executed complex SQL queries within Java to aggregate race data, identify trends, and generate insights into driver and team performance.
- Visit my project on GitHub! It's in the 3380_Final repo.

Technical Skills

Languages: Python, Java, C, SQL, HTML

Developer Tools: VS Code, Eclipse, IntelliJ, Google Cloud Platform

Technologies/Frameworks: Linux, GitHub, MySQL

Leadership / Extracurricular

Chi Alpha Campus Ministries

Vice President

Aug. 2023 – Present

University of Missouri

- Lead a weekly Bible study group, facilitating discussions on spiritual growth and creating a supportive environment.
- Effectively communicated and relayed important information to group members, ensuring clarity and timely updates.

Boy Scouts of America

Assistant Scoutmaster

Aug. 2018 – Present

Independence, Missouri

- Mentored younger scouts, guiding them through rank advancements, badge requirements, and leadership development.
- Developed scouts' self-confidence and practical skills, focusing on areas like orienteering and first aid.