LAWSON MERIDITH

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Professional Statement

Driven computer science Master's student at WIU with proven hands-on expertise in application development, web development, and database management. Passionate about leveraging cutting-edge technologies to solve complex problems and optimize performance. Seeking an opportunity to apply my technical skills in real-world projects, accelerate innovation, and grow as a forward-thinking developer in a fast-paced environment.

Education & Technical Training

Master of Science, Computer Science   **Expected in May 2025**
Western Illinois University — Macomb, IL
- Key Coursework: Design Algorithms, Databases, Advanced Networks, Server-Side Web Development
- 3.6/4 GPA

Bachelor of Science, Computer Science   **Dec 2023**
Western Illinois University — Macomb, IL
- Minor: Business
- Key Coursework: Software Engineering (Team Focus), Data Structures 1 & 2, Python for Data Exploration
- 3.514/4 GPA

Core Competencies

Web Technology: HTML, CSS, JavaScript, Ruby, mySQL, PHP
Programming Languages: Java, Python, C
Networking Tools: Wireshark, Cisco PacketTracer
Other Technologies: Autopsy, Virtual Box, Linux OS
Soft Skills: Collaboration, Logical Thinker, Time Management, Quick Learner

Development Highlights

End-End Congestion Simulator/Calculator - *Graduate Class Project*
- Developed a Python application that fully calculates end-to-end delay.
- Built dynamic subwindows for users to modify link properties.
- Implemented a congestion window emulation that calculates throughput, packet drops (due to timeout and triple ACK), and total completion time for a given number of bytes.

Secret Organization Database - *Graduate Class Project*
- Designed and created a full database system, executing SQL queries, views, and optimizations for seamless data management.
- Developed an intuitive Java-based GUI to streamline user interaction with the database, enhancing usability and efficiency.

Java RPG - *WIU Group Project*
- Co-developed a top-down role-playing game in Java using Agile methodologies.
- Implemented key features including save functionality, equipable items, enemy AI, dialogue systems, and dynamic sound design.
- Emphasized team collaboration and iterative development to ensure timely delivery and feature integration.

Experience

Computer Technician   **Sep 2021 to Current**
Western Illinois University — Macomb, IL
- **Technical Support & Deployment:** Setup, configured, and troubleshot over 100 computer systems; managed software installations and updates.
- **Customer Service & Collaboration:** Provided technical support to faculty, staff, and students with prompt, effective solutions.