Mason Wester

SOFTWARE DEVELOPER | DATA ANALYST

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Github: https://github.com/MLWester | **LinkedIn:** https://www.linkedin.com/in/mason-wester/

Portfolio: https://masonportfolio.netlify.app/

Technical Skills

- Programming Languages: HTML, CSS, JavaScript, Node.js, C#
- Database / Analytics: RapidMiner, R, SQL, Mongo DB, Data Visualization, Data Mining, Probability & Statistics
- Systems: Windows 10, Linux
- Tools: Git, GitHub, Visual Studio Code
- Frameworks and Libraries: Bootstrap, Razor Pages, Entity Framework Core, .NET Core, ASP.NET Core, React.js
- Software Development Practices: SCRUM Methodology, Agile Project Management, Software Testing, UML Diagrams, Version Control, Test-Driven Development
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- Other: Cybersecurity Protocols, Cloud Computing Principles, Documentation Creation, Team Leadership, Technical Communication

Education

West Texas A&M University, Canyon, TX
Master of Science in Computer Information Systems and Business Analytics   (Expected 2027)

Relevant Coursework: Data Engineering, Machine Learning, Predictive Analytics, Information Systems Strategy, Advanced Database Systems, Business Intelligence, Data Visualization, Software Engineering.Pantheros Labs | Junior Data Scientist

West Texas A&M University, Canyon, TX
Bachelor of Business in Computer Information Systems   2023-2025

Relevant Coursework: Advanced Business Programming, Object-Oriented Analysis and Design, Database Design and Management, Data Analytics, Data Mining, Digital Forensics, Cybersecurity/Networking Principles, Software Systems Development, Back-end Web Development

Honors: Dean's List (Fall 2023, Spring 2024)

Amarillo College, Amarillo, TX
Associate of Science in Business Administration   2021-2023

Relevant Coursework: IT Fundamentals, Networking, Cybersecurity

Projects

Sim Racing Telemetry Visualizer
React, FastAPI, TailwindCSS, Recharts, Python, CSV Parsing
Developed a full-stack telemetry analysis tool for sim racing using React and FastAPI.

- Parses iRacing CSV telemetry data (throttle, brake, tire temps, lap times, etc.)

- Visualizes driver inputs with interactive charts, sector/lap comparisons, stint summaries, and tire wear simulation

- Built with Vite + TailwindCSS, React Router, and modular components for a clean and performant UI

Hospital Data Management System
SQL, Entity Relationship Modeling, Query Optimization
Designed and implemented a centralized SQL database to manage hospital operations.

- Structured patient records, staff scheduling, and medical inventory for streamlined access

- Optimized data retrieval with indexing and efficient query structures

- Ensured relational integrity using normalization and consistent schema design

FitPro Gym Management System
C#, Razor Pages, SQL, Entity Framework Core, Bootstrap
Built a web-based gym membership platform with admin and user-facing tools.

- Designed and implemented a relational SQL database for memberships, payments, and attendance

- Developed Razor Page interfaces with CRUD operations, search, sort, and pagination features

- Integrated data validation, role-based security, and clean Bootstrap UI styling

Choose Your Own Adventure Game *(CYOA)*

C# (.Net 9), Object-Oriented Programming (OOP), Console App Development, GitHub, Unit Testing, Collaborative Feature Implementation

- Collaboratively developed a text-based console game using C# and object-oriented principles.

- Designed game logic, character creation, and combat systems with multilingual support.

- Used Agile practices and version control in GitHub to manage tasks and features.

- Wrote unit tests and diagrams to support maintainability and team collaboration.

Professional Experience

Ardent BSA - Amarillo, TX - Level 3 Commissioned Security Supervisor
December 2022 – Present
- Supervised security operations, optimized scheduling, and streamlined compliance documentation processes.
- Updated and maintained the Security Manual and Officer Training Guides, increasing operational efficiency.
- Maintained the BSA Security SharePoint, enhancing team collaboration and document management.

Ardent BSA - Level 2 Security Officer
August 2021 – December 2022
- Conducted security patrols and safety inspections, improving incident response times.

- Managed surveillance systems and provided detailed reporting on safety compliance.
- Delivered exceptional customer service to staff, patients, and visitors.

Army National Guard - Infantryman (11B)
October 2015 – October 2021
- Directed reconnaissance missions and operated advanced tactical equipment.
- Managed logistics and communication strategies during domestic and international deployments.
- Developed team readiness through training in tactical planning and situational analysis.

Leadership Experience

WTAMU Software Systems Development Course
Scrum Team Leader
March – May 2025
- Led a cross-functional student team using Scrum methodology to develop a software project from concept to delivery.
- Facilitated sprint planning, sprint reviews, and retrospectives to ensure team alignment and continuous improvement.
- Fostered collaboration and accountability by removing obstacles, managing workflow, and promoting Agile best practices.
- Mentored team members on task prioritization, communication, and delivering high-quality code in a time-constrained academic environment.

Ardent BSA - Amarillo, TX
Security Supervisor
December 2022 – Present
- Developed training programs and led onboarding for new security personnel.
- Ensured team adherence to safety protocols through consistent mentoring and oversight.

Army National Guard - Multiple Locations
Team Leader & Infantryman (11B)
October 2015 – October 2021
- Directed and mentored small teams during missions and operations.
- Trained personnel in tactical planning, reconnaissance, and advanced weapon systems.
- Coordinated logistics and communication strategies to enhance mission success.