

Mason Crim

(816)-719-7149 | Masoncrim137@gmail.com

Education

Truman State University, Kirksville, MO

Bachelor of Science in Computer Science | GPA: 3.4/4.00 | Expected December 2026

Technical Skills

Programming Languages: Java, C++, Python, C, Assembly, C#, JavaScript

Frameworks & Tools: React, Flask, scikit-learn, Pandas, Dash, Plotly, Eclipse, IntelliJ

Software: Google Suite, Microsoft Excel, Git, Visual Studio Code

Soft Skills: Time Management, Emotional Intelligence, Adaptability, Leadership, Resourcefulness

Projects

Football Injury Risk Predictor (Python, ML)

- Developed a machine learning system by analyzing player position, environmental conditions, and play patterns
- Compared Logistic Regression, Random Forest, and Gradient Boosting models
- Built a Dash web interface providing real-time risk visualizations for coaching staff

Athlete Performance Monitoring System (React, Python, Flask)

- Built a full-stack web application for tracking athlete RPE data using React and Flask
- Developed RESTful APIs to process and store training data
- Designed interactive dashboards for performance insights

Smart Parking System (Java)

- Created an automated parking management system for real-time space tracking
- Implemented algorithms to optimize vehicle allocation based on multiple weighted factors
- Designed the system to integrate with existing camera and sensor infrastructure

Embedded Systems Project (C, Arduino)

- Programmed an Arduino-based system to control hardware components with C
- Applied microcontroller programming for button interaction
- Implemented efficient power management and responsive user interface design

Work Experience

Truman State Football, Kirksville, MO

Student Coach | May 2024 - December 2024

- Analyzed game footage to identify opponent patterns and tendencies
- Designed play diagrams and provided in-game analysis to coaching staff
- Contributed to game planning and strategy development through data analysis

Activities & Leadership

Varsity Football, Truman State University

Captain; Team Member | August 2022 - December 2026

- Committed 20+ hours weekly to practice, weightlifting, team meetings, and film analysis
- Led by example, motivating teammates and fostering a strong team culture
- Demonstrated adaptability through real-time in-game strategy adjustments