

# Mason Crim

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## Education

**Truman State University, Kirksville, MO**

**Bachelor of Science in Computer Science** | GPA: 3.37/4.00 | Expected May 2026

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## Technical Skills

- **Programming Languages:** Java, C++, Python, C, Assembly, C#
  - **Frameworks & Tools:** React, Eclipse, IntelliJ
  - **Software:** Google Suite, Microsoft Excel
  - **Soft Skills:** Time Management, Emotional Intelligence, Adaptability, Leadership, Resourcefulness
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## Projects

### Smart Parking System (Java)

- Developed an automated parking management system to optimize vehicle allocation.
- Utilized sensors and real-time data processing for efficient space tracking.

### Embedded Systems Project

- Developed an embedded system using Arduino to control and monitor hardware components.
- Programmed microcontrollers using C for real-world applications.

### RPE Tracker (Web App)

- Developed a web application to track Rate of Perceived Exertion (RPE) for athletes using React and Python.
- Analyzed training data to provide risk insights.

### AI Prediction Model (Python)

- Created a machine learning model to predict potential injuries based on RPE data.
  - Processed and analyzed data using Python and statistical modeling techniques.
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## Work Experience

### Truman State Football, Kirksville, MO

*Student Coach* | May 2024 - December 2024

- Analyzed game footage to identify opponent patterns and tendencies.
- Designed detailed play diagrams for team strategy simulations.
- Provided real-time analysis to coaching staff during games.

### Paradise Ice Cream Parlor, Smithville, MO

*Assistant Manager* | May 2022 - August 2023

- Led a team in a fast-paced environment, ensuring efficiency and customer satisfaction.
  - Managed inventory and coordinated supply orders with vendors.
  - Balanced multiple responsibilities, from customer service to operational management.
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## Activities & Leadership

### Varsity Football, Truman State University

*Captain; Team Member* | August 2022 - December 2026

- Dedicated 20+ hours per week to practice, weightlifting, team meetings, and film analysis.
  - Led by example, motivating teammates and fostering a strong team culture.
  - Demonstrated adaptability and teamwork through in-game strategy adjustments.
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