

# Matthew Toal

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## Software Engineer

### EDUCATION

## Computer Science in Software Engineering, Cybersecurity, and Artificial Intelligence

Missouri University Of Science And Technology • Rolla, Missouri • GPA: 3.895/4.0 • Dec 2024

### AWARDS & SCHOLARSHIPS

## Dean's List Award (Four Times)

### PROJECTS

## Iotta - SQLite and Python

This project is a command line game that allows users to create creatures and battle other users' creatures who are offline. This application allows users to view if any friends are online and climb a leaderboard to become the top player in the world.

## Encryption/Decryption - Rust

Created a project with Rust language that takes a user's password and encrypts and decrypts it and allows the ability to view the encryption via terminal. (Project was used to learn the Rust programming language.)

## Formula 1 Mobile App - SwiftUI/Swift

Created a Formula 1 app for iOS that allows you to read about the drivers of each team as well as the tracks that they race on.

## Wiki - HTML, CSS, Python (Django)

Stores encyclopedia entries using a lighter-weight human-friendly markup language with Markdown. This project was to help my understanding and usefulness of the Python framework Django.

## Sushi Restaurant Mobile App - SwiftUI/Swift

Created an iOS application for a top sushi restaurant. It provides a menu and also a gallery of all their dishes.

## Weather App - SwiftUI/Swift

This iOS app takes your location by latitude and longitude and use location services of your iPhone and connects to a REST API and sends you the current weather for the day of your location.

### SKILLS

Cybersecurity, Databases and File Structures, Data Science, Data Structure, Django, Embedded System, GitHub, iOS, iOS Mobile Development, JavaScript, JavaScript Frameworks, Linux, Mobile Application, Object Oriented Programming, Project Management, Python, Software Engineering, SQL, SQLite, SwiftUI/Swift, Web Development, Windows Server