

Cy Dixon

Bowling Green, KY 42101

cydaniel@ymail.com

(270) 792-6908

LinkedIn: <https://www.linkedin.com/in/cy-dixon-561482228/>

Portfolio: <https://cylissama.github.io>

Professional Summary

Detail-oriented Computer Science graduate with hands-on experience in machine learning, data processing, and software development. Proven ability to apply theoretical knowledge to practical research applications. Seeking opportunities in web development, software engineering, or data science to create efficient, elegant, and valuable applications.

Experience

Kentucky Mesonet at WKU

Student Research Assistant

September 2023 – July 2025

- Utilized Python and MATLAB for climate data processing and manipulation.
- Researched and developed machine learning and AI models for fine-grained weather and climate predictions using Mesonet and atmospheric data.

WKU Center for Energy Systems

Student Researcher

August 2024 – December 2024

- Collaborated with Mechanical and Electrical Engineers in a workshop lab setting.
- Conducted computer vision and onboard robotics programming using Raspberry Pi 5 and depth cameras.

Education

Western Kentucky University, Bowling Green, KY

M.S. in Computer Science (in progress)

August 2025 – May 2027

Thesis Track - with interest in Machine Learning, Data Science, and Software Engineering

Western Kentucky University, Bowling Green, KY

B.S. in Computer Science – Systems/Scientific Applications Concentration (ABET)

August 2021 – May 2025

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Data Science

Technical Skills

Languages: Python, MATLAB, Java, C, C#

Frameworks/Tools: Django, React, Next.js, Git, GitHub, Android Studio

Databases: MySQL, SQLite

Web: HTML, CSS, Tailwind

Other: Machine Learning, Data Processing, Computer Vision

Projects

Alien P.R.O.B.E – RFID Operational Bridge

Developed an Android mobile app to interface with an Alien RFID scanner and antenna to scan RFID tags and cross-reference with a connected database.

Skills

Android Studio, Java, Kotlin, XML, SQL

Brewed Thoughts

A project showcasing coffee-inspired insights and data analysis, exploring beans, flavors, and brewing methods through an interactive web interface.

Skills

Android Studio, Java, Kotlin, XML, SQL