# Cy Dixon

cydaniel@ymail.com — (270) 792-6908
LinkedIn: Cy Dixon — GitHub: cylissama

## Professional Goals and Summary

Seeking research and professional opportunities in computer science/engineering involving web development, backend services, software development, IT, or networking services.

## Experience

- **Student Research Assistant, WKU Center for Energy Systems**
  Bowling Green, KY                                           August 2024 – Present
  - Worked closely with Mechanical and Electrical Engineers in a workshop lab setting. Work includes computer vision and onboard robotics programming.
  - Conducted work on a Raspberry Pi 5 using depth cameras.

- **Student Researcher, Kentucky Mesonet**
  Bowling Green, KY                                       September 2023 – Present
  - Utilized Python and MATLAB for climate data processing.
  - Contributed to data analysis efforts for the Kentucky Mesonet at WKU, using data from various climate data collection stations around the state as well as national climate datasets.

## Education

- **Western Kentucky University**, Bowling Green, KY
  BS in **Computer Science** - System/Scientific App Concentration (ABET)   August 2021 – May 2025
  Relevant Coursework: Data Structures, Algorithms, Software Engineering, Data Science

## Skills

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

- **Frameworks**: Django, React, Next.JS

- **Databases**: MySQL, SQLite

- **Web Technologies**: HTML, CSS, Tailwind

## Projects

- **Alien P.R.O.B.E - RFID Operational Bridge** - GitHub Link
  Developed an Android mobile app to use with an Alien RFID scanner and antenna to scan RFID tags and cross-reference with a connected database.

- **Computer Vision and Robotics**
  Developing algorithms in Linux to detect nearby objects, navigate surroundings, and correspond with other machines.