

Jacob Poling

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Active Security Clearance

EDUCATION

Wright State University

Bachelor's of Computer Science

Aug 2019 — May 2024

Dayton, OH

WORK EXPERIENCE

Software Engineer I

Altamira

May 2024 — Present

Dayton, OH

- Integrates computer vision R&D projects into scalable pipelines for various customers.
- Helped lead an Internal Project to create a full stack web application that integrates a Computer Vision model to help a customer process their data. Stack included React TS, Flask, Golang, Docker, Docker Compose.

Software Engineer Intern

Altamira

May 2022 — August 2022, May 2023 — August 2023,

Dayton, OH

- Wrote basic python scripts to format data for machine learning models.
- Trained a Word2Vec machine learning model and integrated it into a web application to plot it.
- Worked with a large Plotly Dash Web application to visualize data for a customer.
- Trained a Pix2Pix Computer Vision model to detect lines in a noisy scene.

Cats Help Desk

Wright State University

January 2020 — November 2021

Dayton, OH

- Solved general help desk tickets.
- Troubleshooted problems with laptops, accounts, passwords, etc.
- Learned a great deal of problem solving skills at this job by helping students with their technical problems.

IT Intern

Tri-Rivers Career Center

May 2019 — December 2019

Marion, OH

- Helped maintain the school's network connectivity, troubleshoot internet / network issues, update and maintain student laptops, make ethernet cable runs from networking closets to devices.

PROJECTS

Maintainer, Playhub

github.com/XarosElite/playhub

- A Docker based full stack game server manager
- See a ([demo](#)) and explanation on my site!

Contributor, Mynk-db

github.com/Sheepheerd/mynk-db

- A synthing clone written in C
- This was largely my friends's project, however I helped write the API router logic in C for it.

EXTRACURRICULAR ACTIVITIES

Cross County/Track NCAA Division I Athlete

Aug 2019 — May 2024

- Competed collegially for Wright State University's Cross Country and Track team.

CERTIFICATIONS

CompTIA IT Fundamentals+ (ID: W7NYSGLMTDQQ13WE), CompTIA (<http://verify.CompTIA.org>) May 2019

SKILLS

- **Programming Languages:** Python, C/C++, Java, JavaScript/Typescript, Godot, HTML/CSS
- **Technologies:** Vim, UNIX, React, Flask, FastApi, Git, Docker, Docker Compose, Nix, Proxmox