

MICAH LEE MCCOLLUM

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🐙 github.com/m-lm

Education

University of Arkansas, Fayetteville

2023 – 2026

B.S. Computer Science, minor in Mathematics; Honors College

University of Arkansas, Pulaski Technical College

2021 – 2023

A.S. Technology and Engineering

Projects & Skills

Grapple

present

A simple graph database engine written from scratch in Java implementing OOP principles, graph traversal algorithms, and data storage. This is an ongoing project.

Dynetwork

2025

A data analysis program written in Python that generates temporal social networks of character relationships in Shakespeare plays with file exports for visualization.

Minmath

2024

A minimalist full-stack website for mental math exercises built using JavaScript/HTML/CSS on the frontend and Python/Django on the backend with connections to a PostgreSQL database.

Huffman Coding

2024

Compression algorithm implemented in Python using binary tree and heap data structures.

Discord Server Bot

2023

Discord server chatroom bot utilizing web scraping techniques and various APIs to deliver content to users, written in Python and deployed on a Linux virtual machine.

Skills: C++, Java, Python, JavaScript, HTML/CSS, SQL, Neo4j/Cypher, Linux, Git, web scraping, data analysis, OOP

—— Awards & Honors

Chancellor's List , University of Arkansas	Fall 2023 – Spring 2024
Dean's List , University of Arkansas	Fall 2024
Chancellor's List , Pulaski Technical College	Fall 2021 – Spring 2023
Published in <i>Milestones Academic Journal</i> vol.17 at Pulaski Technical College for "The Impact of Codebreaking During World War II"	2021 – 2022
Recipient of the Math Scholar Award at Pulaski Technical College	2021 – 2022
Recipient of the Outstanding Gen. Chemistry II Student Award at Pulaski Technical College	2021 – 2022

—— Miscellaneous

Besides programming, I enjoy reading, hiking, playing tennis, and practicing piano; I have also been making electronic music for over a decade.