

Paul Davis

Computer Science & Math Student

CONTACT

Phone: 615-519-6493
Email: paulisaacdavis@icloud.com

Portfolio: <https://pauls-portfolio-page.netlify.app/>

PROFESSIONAL EXPERIENCE

AI Research Intern

Vanderbilt University Medical Center. Nashville, TN | Mar 2023 – Aug 2023

- Developed a website using Streamlit servers in Python.
- Used ChatGPT’s API to translate JSON formatted data into an acceptable format.
- Sent that data to an actual database and determined that A1C prescriptions could be easily automated by AI.

Material Science/Machine Learning Researcher

University of Tennessee Material Science Lab. Knoxville, TN | July 2024 – Sept 2024

- Leveraged machine learning to analyze models produced by additive manufacturing.
- Used Arduino sensors to collect heat, light, and distance data.
- Trained a supervised learning algorithm with said data.

EDUCATION

Martin Luther King Jr. Magnet High School

Nashville, TN | Aug 2019 – May 2023

University of Tennessee Knoxville

Computer Science & Math Student

Knoxville, TN | Aug 2023 – Present

SKILLS

Customer Service

Team Communication

AI Development

C/C++

RISC-V Assembly

Python

JavaScript

Java

Scientific Research

HTML/CSS

COURSES

Systems Programming (COSC 360)

Discrete Structures (COSC 311)

Data Structures and Algorithms I & II (COSC 202, COSC 302)

Computer Organization (COSC 230)

Matrix Algebra (MATH 251)

Calculus I, II, & III (MATH 141-142, MATH 241)

Physics for Engineers I & II (EF151-152)