DAVID ARAUJO

Nazareth, PA 18064

484-544-1198 - contact.davidaraujo@gmail.com - **WWW:** davidaraujo.me

EDUCATION

Expected in 05/2026 — **Bachelor of Science**: **Computer Science**

The Pennsylvania State University - Harrisburg, PA

- Capitol Honors College
- Dean's List Fall 2022
- Entrepreneurship and Management Club - Secretary (Fall & Spring 2022 - 23)
- THON - Donation Box Captain (Fall 2022)

PROJECTS

Digit Recognition - **2023** ~ https://davidaraujo.me/predict/

Django, HTML, Machine Learning & AI

- Site permits user to draw any number from 0-9, and utilizes a model which was trained on the MNIST dataset to classify which number is being drawn.

MC REU - Summer 2023

Penn State Multi-Campus Research Experience for Undergraduates

- Awarded Top Overall Poster
- Explored the user of cross-scale token aggregation and spatial-channel mixing for a Vision MLP backbone

SKILLS

- Python
- Django
- Java
- React
- Java Script
- CSS
- HTML
- Machine Learning

COURSEWORK

CMPSC 221 - Fall 2023 (Current)

Object Oriented Programming with Web-Based Applications

- Major topics include virtual machines, intermediate code generation (Java-specific), graphical user interfaces (GUI) design, event handling, server-side programming with database queries, and security, permissions and file management concepts for client/server systems.

CMPSC 132 - Spring 2023

Programming and Computation II: Data Structures

- Introduces the foundations of object-oriented programming, the design and analysis of efficient algorithms using important data structures, and programming techniques that support reusable and modular program components, including data abstraction, polymorphism, and higher-order functions.