Cameron Morgan

8 Lenape Drive • Pennsville, NJ 08070 • cameron.morgan@duke.edu • (856)812-7581

Education

Duke University — Durham, NC
Computer Science, Artificial Intelligence. Hack Duke Winner GPA 3.853 — May 2026
Relevant Coursework: Discrete Math for CS, Database Systems, Everything Data, Computer Systems, Data Structures and Algorithms, Runtime Complexity, Computer Architecture, Object-Oriented Programming, Software Engineering

Pennsville Memorial High School — Pennville, NJ
National Honors Society, Golden Eagles Member, National Spanish Honors Society, State Placer Wrestling, National Art Honors Society, FBLA Member. GPA 4.0 — June 2022

Projects

GitHub (https://github.com/cameronmorganDuke?tab=repositories)

March Madness Model

- Led a research project using data from seven NCAA tournaments to identify key metrics predicting March Madness success, including offensive and defensive efficiency, adjusted tempo, and BARTHAG. Developed a K-Nearest Neighbors (KNN) model to evaluate prediction accuracy, achieving a 37% classification accuracy and revealing that certain factors like 2P%, 3P%, TORD, and DRB were less predictive of tournament outcomes.

Tractor Supply Product Locator

- This project is designed to search for products on the Tractor Supply website, retrieve detailed information including names, images, SKUs, and stock status, and display this information in a GUI window. The project involves web scraping using BeautifulSoup, formatting, and managing product attributes, fetching POG (Planogram) data from a CSV file, and displaying product details and related images through a user interface created with Tkinter.

Mock Website

- The project comprises a personal website with sections for career, accomplishments, and education, complemented by a shopping page where users can select and purchase haircut services. The site includes a functional shopping cart, and a checkout modal for order details, and integrates with EmailJS to process and submit purchase information.

Neural Network

- Developed and implemented a neural network framework in Python, featuring custom classes for neurons and synapses with randomly initialized weights and biases. I also implemented PyTorch to predict, with high accuracy, the average point per year of an NBA player.

Personal Website

- Developed a website to demonstrate my coding knowledge. (https://cameronmorgan.org/)

Leadership & Activities

Duke Wrestling Team — **Durham, NC**
Member/Coach — 2022 – Present

- I wrestled for Duke University during my freshman year. After sustaining a career-ending injury, I pivoted to a student-coaching role. I now use my CS background to help the team make optimal progress in the weight room.

Skills & Interests

Technical: Python (Fluent), C++ (Fluent), Java (Fluent), JavaScript (Fluent), HTML (Fluent), CSS (Fluent), SQL (Familiar), Assembly (Familiar)
Interests: Machine Learning, Artificial Intelligence, Weight Lifting, Sports, Cooking