Ethan Mylett

440.523.1811 ● Rocky River, OH ● ethan.mylett@yahoo.com ● LinkedIn

QUALIFICATIONS SUMMARY

Recent college graduate with a Bachelor's degree in Computer Science Engineering. Focused on data systems and analytics with experience in **data structures**, **algorithms**, **data science, cloud technologies, machine learning, and mathematics**. Proficiency in **Java**, **JavaScript**, **Python, AWS, C**, **C#**, **C++, Tensorflow, Pytorch**, **SQL**, and **Microsoft Suite**.

EDUCATION

The Ohio State University | Bachelor of Science in Computer Science Engineering *2020 - 2024*
- Specialization in Database Systems & Data Analytics
- Magna Cum Laude, GPA 3.745

TECHNICAL PROJECTS

Spotify Playlist Curator:

Technologies - Javascript, Python, SQL, ElasticSearch, React, Node.Js, React-Three-Fiber, Docker, Agile Development
- Built a Spotify playlist generator with Spotify API and ElasticSearch integration to create personalized playlists from a 100,000+ song database. Users' favorite artists and genres are used to produce a dynamic playlist of a specified length. Features 3D visualizations of the playlist's parameters using React-Three-Fiber. Developed in collaboration with a team of 5 talented teammates.

NFL Spread Prediction App:

Technologies - Pytorch, React, Flask, Python, Pandas, Numpy, Scikit Learn
- Developed an NFL game spread prediction web app using PyTorch, React, and Flask. Trained a neural network on data from 10,000+ games, each with 50+ features from 1979 onward, achieving >90% test accuracy. This app allows users to input game stats to receive data driven betting spread predictions.

Gesture Recognition for Input Control:

Technologies - TensorFlow, MediaPipe, Python
- Created a gesture-based mouse control system using TensorFlow and MediaPipe in Python. Leveraged an innovative pre-trained model to identify 21 hand key points and recognize gestures with 97.5% accuracy. Integrated with a webcam, this system was prototyped to let users control mouse movement and clicks in real-time using only hand gestures.

WORK EXPERIENCE

VIP Valet | Cleveland, OH *April 2023 - August 2023*
Valet Attendant
Coordinated with the valet team to manage the flow of incoming and outgoing vehicles, ensuring a flexible and organized process during rushes. Effectively communicated with customers, answered questions, provided information on services, and offered assistance when needed, contributing to a high level of customer satisfaction.

Market | Rocky River, OH *March 2019 - August 2022*
Barback
Collaborated with the bar team to manage inventory, track usage, and communicate restocking needs, minimizing downtime and improving operational efficiency. Demonstrated strong problem-solving skills by efficiently identifying and resolving everyday logistical challenges such as sudden increases in customer demand and unexpected shortages.

Mitchell's Ice Cream | Rocky River, OH *May 2016 - December 2018*
Team Leader
Promoted to Team Leader in two months. Led a team of 4–8 members to ensure efficient operation and customer satisfaction on shifts with thousands of customers. Acted as shift manager, facilitating restocks of over 50 items.

ACTIVITIES

- Ohio State University Golf Club, 2022–2024, Two-time National Collegiate Club Golf Association Competitor
- American Legion Buckeye Boys State Participant, 2018