# James Nesbitt

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Portfolio: james-nesbitt.netlify.app❖LinkedIn.com/in/jamesnesbitt04

## Education

**University of Michigan-Ann Arbor**-B.S., Computer Science
August 2022 – Expected 2026
*Relevant Coursework:* Data Structures and Algorithms, Programming and Intro Data Structures, Discrete Mathematics, Introduction to Statistics and Data Analysis

**Okemos High School**
August 2018 – June 2022
*Relevant Coursework:* AP Computer Science A, Calculus
*Awards:* President's Award for Educational Excellence, National African American Recognition Program Scholar, AP Scholar, Capital Area Activities Conference All-Academic (3-years), Varsity Letter (3 sports), National Honors Society member

## PROJECTS

**Stock Price Predictor with Machine Learning**
- Collected Stock Ticker data with the Yahoo Finance API, trained data using cross-validation with Random Forest and KNN model, to best predict what the price of any individual stock will be. Implemented it with a GUI using PyQt6
- Coded With Python, Pandas, NumPy, and Scikit-Learn, and PyQt6 for GUI

**Signal Street**
- Created a Django application that offers a plethora of financial news around the world markets as well as provided detailed quotes and statements for any stock, as well as utilizing the stock Price predictor mentioned above.
- Coded With Django, Python, styled with CSS, SQLite

**Post Subject Identifier using Natural Language Processing**
- Coded, trained, and tested a school project that works to identify the subjects of the posts of our classes Piazza (class forum) posts using Machine Learning/Natural Language Processing. Received an A for this project.
- Coded with C++

**Portfolio Website**
James-nesbitt.netlify.app
- Created and deployed my own website that showcase my projects using Create-React-App
- Website designed using ReactJs and styled with CSS.

**Running Planner**
- Designed a software application that enables users to generate an optimal and effective schedule to meet their weekly mileage goal
- Coded with HTML, CSS, and JavaScript.

**Seam-Carving and Image Resizing Algorithm**
- Worked with a partner to code, debug, and test a seam-carving algorithm that captured an image in ppm format and resize it to the desired dimensions. We earned an A for the project.
- Coded with C++

## TECHNICAL SKILLS

**Languages**: C++, Python, Java, JavaScript, HTML/CSS
**Version Control:** Git
**Framework/Runtime Environment**: ReactJS, NodeJS

## CLUBS & ORGANIZATIONS

- **National Society of Black Engineers- University of Michigan Chapter**
- **Michigan Hackers,** Machine Learning Team