KYLE-ANTHONY HAY

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EDUCATION

City University of New York(CUNY), Hunter College   Expected May 2024
Bachelor of Science in Computer Science
Relevant Coursework: Discrete Structures and Algorithms, Software Engineering, Object Oriented Programming

SKILLS

Programming(Intermediate): C++(3 years), Python(1 year), Swift(1 year), Flutter(1 Year), JS(1 Year),
Programming(Beginner): JSX, Java
Technologies: Langchain, Firebase, Pandas, React, MongoDB, Neo4js

EXPERIENCE

Software Engineering Intern (The Difference)   July 2023 – Sept 2023
- Built a web-based version of a fitness app from Figma design using WordPress and HTML/CSS
- Led evaluation and research of web-building technologies for the company's app-to-web migration
- Developed two front-end demo applications, showcasing dynamic data display

PROJECTS

Music Recommendation Model   Nov 2023
- Developed a ML/AI model to predict an individual's preferred music genre based on age and gender
- Utilized Python, pandas, scikit-learn, and joblib for data processing and model training
- Conducted model validation, ensuring high accuracy in genre prediction

Audio Recording App   Dec 2023
- Designed an iOS app for audio recording and clip organization with a minimal, user-friendly interface
- Integrated RESTful APIs, and processed JSON with Swift Enums and Decoders for random audio clip naming.
- Designed automatic audio clip sorting based on API's JSON response

Social Media App   Jan 2024
- Developed a Flutter App that enabled users to create an account and post status updates to a collective feed
- Implemented Firebase Authentication for account creation and login.
- Implemented Firestore Database to store and retrieve user's data and status posts

MunchMap(1st place in Headstarter Hackathon**)**   Feb 2024
- Collaborated with a team of 3 to build a full-stack application
- Implemented react-router, use-state hooks, and Axios Get/Post requests to Django back-end
- Showcased project with a live demo to an audience of 200+ at Hackathon

QuizCraft AI   March 2024
- Led team in building a full-stack flutter web app that generates a custom quiz from user-entered topics
- Implemented REST API framework to interact with OpenAI's gpt-3.5turbo model
- Integrated Firebase Authentication and Firestore for storing, tracking, and retrieving user's quiz performance

ASSOCIATIONS & INTERESTS

Google Student Developers Club – Attend monthly Meetings and heard from over 5 different tech start-up founders
Headstarter Fellow, January 2022 – Attend weekly meetings to hear from founders and developers in the industry