

KYLE-ANTHONY HAY

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EDUCATION

City University of New York(CUNY), Hunter College

June 2024

Bachelor of Science in Computer Science

Relevant Coursework: Discrete Structures and Algorithms, Software Engineering, Object Oriented Programming

SKILLS

Programming: C++(3 yr), Python(2 yrs), Swift(2 yrs), Flutter(2 yr), JS(2 yr), SQL(3 yr), Java(5 yrs)

Technologies: Google Cloud Platform, Langchain, Firebase, Pandas, React, MongoDB, SpringBoot

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

Revature Fellow ([Revature](#))

March 2025 – Present

- Refactored a RESTful social media API from Javalin to Spring Boot with full CRUD support for users
- Created demo apps to illustrate API functionality and JSON integration with front-end clients
- Utilized integration tests from MockJavalin and JUnit to validate API endpoints and ensure error handling

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

- Built an iOS app for recording audio using Swift Data for storage and SwiftUI for UI/UX
- Integrated RESTful APIs and handled JSON responses using Swift Enums and Codable decoders
- Implemented full CRUD operations on audio clips with a SwiftData-backed model

[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