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(2 yrs)
Technologies: ChromaDB, AWS, Langchain/Langraph, Pandas, React, MongoDB, SpringBoot

EXPERIENCE

AI Engineer Training (Cognizant)   November 2025 – Present
- Implemented an ETL pipeline that optimized 1 million row querying by 99%
- Fine-tuned a DistilBERT transformer model, improving sentiment analysis accuracy by 25%
- Completed 40+ exercises on RNNs, CNNs, Fine-Tuning, Embedding, Vectorization and more

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

ChatGPT Clone   Jan 2026
- Developed a full-stack ChatGPT clone with FastAPI backend and Next.js frontend
- Architected LangGraph agent with RAG using Chroma vector DB for semantic search
- Integrated Supabase PostgreSQL for chat persistence and Docker containerization

Sentiment Analysis Platform   Jan 2026
- Integrated AWS Bedrock LLMs and handled semantic retrieval using ChromaDB and RAG architecture
- Implemented full CRUD operations on customer reviews with a ChromaDB vector database
- Built an AI decision-support platform using FastAPI for backend and Next.js for UI/UX

SelahNote - AI Powered Note Taker   Sept 2025
- Designed, Developed and Deployed SelahNote to the appstore in 2 months
- Set up websocket to stream audio recordings and API responses for AI-powered live transcriptions
- Used MVVM and singleton service layers to preserve separation of concerns across complex operations

MunchMap (1st place in Headstarter Hackathon)   Feb 2024
- Collaborated with a team of 3 to build a full-stack application
- Built with React, use-state hooks, and Axios Get/Post requests to Django back-end
- Conducted a live demonstration to an audience of 200+ at Hackathon

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