

Summary

Computer Science undergraduate at Northeastern University, concentrating in AI. Experienced in full-stack development, LLM integration, and scalable systems through an internship, co-op and projects. Demonstrates strong problem-solving skills, a passion for educational technology, and a dedication to using technology to make the world a better place.

Education

Northeastern University, Khoury College of Computer Science Boston, MA

Sept 2023 - Apr 2027

Bachelor of Science in Computer Science, Concentration in AI

- Global Scholars Program - London, UK

Relevant Coursework: Object-Oriented Design, Computer Systems, Algorithms and Data, Fundamentals of Computer Science One and Two, Discrete Structures, Mathematics of Data Models, Introduction to Data Science, Introduction to AI, Web Development

Skills

Languages: Java, Python, JavaScript/TypeScript, SQL, C, Kotlin,

Frameworks/Platforms: React, Next.js, Node.js, Flask, Streamlit, Docker, Vercel, Backend, Frontend

Tools: GitHub, IntelliJ, VS Code, Eclipse, Mixpanel, Linux, Operating Systems

Concepts: REST API, MVC, TDD, CI/CD, LLMs, Data Structures

Soft: communication skills, teamwork, problem solving, critical thinking

Work Experience

Software Development Intern, Stealth Internship

July 2025 - November 2025

- Helped with the development of SessionClarity, an AI-powered app for analyzing speech therapy sessions
- Improved transcript clarity by 70% through LLM pipeline optimization
- Collaborated on front-end components using Next.js and conducted rigorous testing for reliability
- Implemented instrumentation in the code integrating with MixPanel
- Built event-tracking workflows for logins, uploads, and feature usage to provide actionable insights
- Reduced transcript processing time by 20% through optimizing cleanup and LLM pipeline steps

Software Development Co-op, Stealth Internship

January 2026 - Present

- Designing and building Python-based pipelines to extract and structure data from .docx reports
- Integrating the OpenAI API to experiment with classification and summarization in a controlled way
- Conducting product and ecosystem research and producing internal reports to inform system design, development priorities, and potential product applications
- Creating technical roadmaps and phased implementation plans to guide development efficiently
- Developing supervised ML models to classify session prompts into structured categories
- Building and maintaining labeled training datasets from extracted transcript data

Projects

AI Reflection Engine – Full-Stack Application (In Progress)

2026 – Present

- Building a serverless full-stack application to analyze journal entries and detect emotional patterns over time using AWS
- Designed DynamoDB schema optimized for time-based querying of user entries and trend analysis
- Implemented initial API endpoints using AWS Lambda and API Gateway for journal submission and retrieval
- Integrating AWS Comprehend for sentiment analysis and developing a custom pattern detection engine to identify mood trends and recurring themes
- Developing weekly aggregation workflows to generate personalized reflection summaries and insights
- Creating an interactive dashboard using React to visualize mood trends and surface user-specific insights

Coopalytics – Full-Stack Website

July 2025

- Built a full-stack platform to streamline co-op application workflows for students and administrators
- Integrated role-based dashboards and DEI analytics using Streamlit, Flask, and MySQL
- Developed and deployed the system using Docker & Docker Compose, integrating sample data and ensuring scalable, containerized deployment
- Designed a relational schema with 10+ tables modeling students, employers, applications, and advisors
- Built admin dashboards to track placement trends and DEI statistics for data-driven decisions

Certifications

- AWS Certified AI Practitioner (AIF-C01) — Amazon Web Services, 2026
- Validated knowledge of AI/ML fundamentals, generative AI, AWS AI services (SageMaker, Bedrock), and responsible AI practices