

Anthony Campos

anthonyrubencampos@gmail.com | (724)-503-9455 | [LinkedIn](#) | [GitHub](#) | [Website](#)

Education

Northeastern University, Khoury College of Computer Sciences **Boston, MA**
Candidate for Bachelor of Science Degree in Computer Science and Business Administration **September 2023 - May 2027**
Concentration: Financial Technologies **GPA: 3.71**

Technical Knowledge

Languages: Java, HTML/CSS, Python, JavaScript, Typescript, SwiftUI
Technologies/Frameworks/Tools: Git, Figma, React Native, Next.js, React.js, Expo, Firebase, Supabase, AWS Lambda, Appwrite, Flask, Tailwind CSS, Framer Motion, Stripe API, AWS Textract, Claude API

Professional Experience

Data Analyst Internship **Remote**
Aspire Institute **April 2024 - June 2024**

- Analyzed key metrics (click rates, open rates, themed content performance) from Aspire Institute's alumni newsletter and weekly digests, providing suggestions to enhance engagement and adapt content flow to help reach their goal of impacting 1,000,000 young leaders annually by 2027.
- Utilized Excel and Tableau to analyze data, creating visualizations, and reports to effectively communicate findings, contributing to Aspire Institute's global impact across 180+ countries and 100K+ young adults' lives impacted.

Projects

Modular Personal AI Memory Bank **December 2024**

- Developing a macOS tool to enable natural language search, weekly summaries, and personality profiling from messages.
- Designed for secure local data processing, ensuring privacy and user control while personalizing AI interactions.
- Builds the foundation for an interoperable memory bank system to integrate seamlessly with any AI model to build the future of proper personalized experiences.

Logistics Optimization with Intelligent Loading Algorithms **September 2024**

- Developed an intelligent loading optimization platform, built with CloudConvert, AWSTextract, Claude API, experimenting with better greedy algorithms for more efficient loading instructions.
- Successfully deployed at Moran Logistics for Target's cardboard supply chain operations.

Personalized Student Advising System **September 2024**

- Developed Avisari with NextJS it's a web platform connecting students and advisors for seamless academic and financial guidance. This is a result of continued disappointment in the current systems and interactions.
- RAG integrated with Claude 3.5 Sonnet's API, resulting in a 40% increase in personalized schedule generation accuracy.
- Implemented a conversation summarization feature that distills student-advisor interactions, reducing advisor preparation time by 60% and increasing meeting efficiency by 35%.

Automated Academic Management Platform **June 2024**

- Developed Nota, a comprehensive mobile application for students using React Native and Expo, with Appwrite as the backend, streamlining academic organization and planning.
- Integrated AWS Lambda functions to efficiently process and parse student schedules and transcripts, reducing server costs by 40% compared to traditional OCR methods.
- Leveraged the Claude API for data extraction from uploaded documents allowing students to copy-paste their schedules and transcripts, reducing onboarding time from 30 minutes to under 5 minutes.

Scalable Food Delivery System with Payment Integration **March 2024**

- Built an MVP using Flask, HTML/CSS, and Stripe API to provide affordable food delivery for students.
- Leveraged a subscription-based model to reduce delivery costs by up to 50%.
- Launched with 40+ orders and significant site traffic; now developing an iOS app with SwiftUI, Flask, and MySQL.

AI-Powered Course Selection Platform **March 2024**

- Built a Python-based tool with OpenAI API integration to generate personalized professor rankings.
- Designed a custom algorithm and responsive frontend, showcasing full-stack skills.
- Delivered a functional prototype in 48 hours, reaching the hackathon finals among 27 teams.

Involvement

Northeastern AI Club & AI Research Lab **April 2024 - Present**

E-Board Member & Operations Manager

- Built movement scripts for Pololu robots in SwarmScape, enabling disease detection with Google Vertex AI, and co-developed EduConnect, an AI-powered course selection platform during a hackathon.
- Managed operations at the AI Research Lab and led the Uncertainty-Aware Dialogue Systems research project, focusing on advancing dialogue modeling techniques.