

## Education

### University of Massachusetts Boston

B.S - Computer Science, GPA: 3.45/4.0

Boston, MA

May, 2026

Relevant Coursework: Computer Architecture & Organization, Data Structures and Algorithms, Systems Programming

## Skills

**Programming:** Python, Java, JavaScript, C, C++, Swift, React, Flask, HTML/CSS, REST APIs, GIT, DOCKER, AI/LLM APIs

**Language:** English, Haitian-Creole, French

## Experience

### CustomersAI

Boston, MA

#### Software Engineer intern

June. 2025– Aug. 2025

- Collaborated with a small engineering team to enhance AI-driven marketing automation tools for the Customers.ai web platform.
- Developed new features integrating AI chat and lead-generation APIs, improving customer response time and engagement analytics.
- Built and tested RESTful API endpoints that processed user behavior data for campaign personalization.
- Assisted in refining the front-end dashboard using React and modern UI frameworks to visualize AI-generated insights.
- Participated in code reviews, documentation updates, and deployment pipelines for production updates.

### HackUMass

Amherst, MA

#### Software Engineering Participant

Nov. 2024– Nov. 2024

- Designed and deployed a student productivity web app with deadline tracking and AI-powered reminders, recognized in the “Best Student Productivity Tool” category.
- Built a React frontend and Flask backend with Google Calendar API integration for real-time scheduling.
- Implemented a lightweight recommendation engine using Python and NLP libraries for personalized study reminders.
- Collaborated in a team of 4 developers with Agile practices (standups, Git workflows, peer reviews) to deliver a functional MVP in under 24 hours.

## Projects

### Long distance dating app

#### Swift / ios

- Developing an iOS mobile app to support couples in long-distance relationships with features like shared calendars, personalized reminders, and mood/status updates.
- Building a SwiftUI-based frontend with a clean, intuitive UI, and integrating CoreData for local storage.
- Implementing notification scheduling and exploring cloud integration for cross-device sync.
- Designed the app with a focus on user experience, accessibility, and scalability, applying Agile iteration to add new features quickly.

### RSA Cryptosystem Library

#### Java

- Engineered a modular RSA encryption/decryption library with full key generation, encryption, and decryption workflows.
- Built command-line utilities (keygen, encrypt, decrypt) to simulate a complete cryptosystem.
- Strengthened knowledge of software architecture, encapsulation, and performance optimization.

### Markov Text Generator & Decoder

#### Python

- Created a probabilistic text generator using k-gram statistics for character prediction.
- Implemented error-handling features to decode noisy or corrupted messages.
- Applied probability, dictionaries, and efficient string processing to natural language modeling.