**EDUCATION**

**Bachelor of Arts in Computer Science**  May 2026  
*Boston University, College of Arts and Sciences Boston, MA*  
GPA: 3.61  
Dean’s List: Fall 2024, Spring 2024, Fall 2023, Summer 2023, Spring 2023  
*Relevant Coursework*: Discrete Mathematics, Linear Algebra, Computer Systems, Probability, Concepts of Programming Languages, Analysis of Algorithms\*, Web Development, Software Engineering, Database Systems\*, Data Science Tools and Applications\*

**WORK EXPERIENCE**

**Undergraduate Course Facilitator** September 2024 – Present   
*Boston University, College of Arts and Sciences Boston, MA*

* Course Assistant for *CS 112: Introduction to Computer Science 2* (Spring 2025) and *CS 237: Probability in Computing* (Fall 2024).
* Cohosted weekly discussion sessions, reviewing course material by guiding students through exercises.
* Held weekly office hours to assist students with coursework and discuss course content.
* Graded weekly problem sets and provided feedback to over 350 students.

**Engineering Intern** September 2022 – December 2022  
*LA Acoustical Services Inc Canoga Park, CA*

* Recorded data and assisted with outdoor ambient noise monitoring in residential areas.
* Operated tapping machine during indoor impact sound, generating transmission data.
* Informed clients about in-unit sound testing procedures and other information.

**PROJECTS (**[**GitHub**](https://github.com/ExoticBubble15/)**)**

[**CA Wildfire Prediction**](https://github.com/ExoticBubble15/CA-Wildfire-Prediction)Python

* Final project for CS 506: Data Science Tools and Applications, currently in progress.
* Machine learning model that will use historical weather data for over 50 California cities and state-wide fire data, spanning from 2013 to present, to identify the area at highest risk for a breakout.

[**Spark! Bytes Web Application**](https://github.com/ethanrous/spark-bytes)TypeScript, Go, SQL  
Frontend: Next.js/React; Backend and API: Go; Database: PostgreSQL

* Web application that allows users to access excess food from social events, in an effort to reduce food waste.
* Users can sign up with a valid @bu.edu email to view all events, post and modify their own events, and reserve their attendance at events.
* Developed as a part of a group of 5 members, with key responsibilities including linking frontend to backend via API calls, handling user input, ensuring frontend quality and usability, and performing integration testing.

[**GPT Automated Web Puzzle Solver**](https://github.com/ExoticBubble15/CircuitsAutomation) Python  
API: GPT-4o; Libraries: NumPy, OpenAI, OpenCV, PyAutoGUI, Pillow, Pyperclip, Pytesseract

* Captures, processes, and analyzes on-screen puzzle data using screen capture, color masks, and OCR.
* Solutions generated by GPT-4o API are used to update the browser and internal nodes, with browser consistently monitored to ensure correctness and efficiency.

**SKILLS**

**Languages** – Java, JavaScript, OCaml, Python, SQL/SQLite  
**Software** – Git, GitHub, Google Workspace, Microsoft Office, VS Code