

Jude Cudiamat Lopez

(818) 984-7026 | [linkedin.com/in/judecl](https://www.linkedin.com/in/judecl) | cjudelopez@gmail.com

EDUCATION

Bachelor of Arts in Computer Science

Boston University, College of Arts and Sciences

May 2026

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

Boston University, College of Arts and Sciences

September 2024 – Present

Boston, MA

- Course Assistant for *CS 112: Introduction to Computer Science 2* (Spring 2025) and *CS 237: Probability in Computing* (Fall 2024).
- Co-hosted 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

LA Acoustical Services Inc

September 2022 – December 2022

Canoga Park, CA

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

PROJECTS ([GitHub](#))

[CA Wildfire Prediction*](#)

Python, SQLite

- Wrote scripts to process, query, and visualize weather data in multiple formats.
- Machine learning model that will use historical weather data for over 50 California cities and statewide fire data, from 2014 to present, to identify the area at highest risk for a breakout.

[Spark! Bytes Web Application](#)

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 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](#)

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, OCaml, Python, SQL/SQLite, XQuery

Software – Git, GitHub, Google Workspace, Microsoft Office, VS Code

**Currently in progress*