Jude Cudiamat Lopez

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EDUCATION

Bachelor of Arts in Computer Science   May 2026
Boston University, College of Arts and Sciences   *Boston, MA*
GPA: 3.58 / Dean's List (5 Semesters)
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 – May 2025
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).
- 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   September 2022 – December 2022*
LA Acoustical Services Inc   *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.

TECHNICAL PROJECTS (GitHub)

CA Wildfire Prediction   Python, SQLite

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

Spark! Bytes Web Application   TypeScript, Go, SQL

- 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.

RESEARCH PROJECTS

Addressing Housing Affordability in Boston   March 2024 – May 2024

- A 50-page research paper that proposes policies to incentivize local housing development and lower rental costs, written and orally defended as part of a group of 6 members.
- Responsibilities included evaluating relevant cities as comparable case studies, referencing academic publications to analyze previous approaches, and compiling research findings.

SKILLS

Languages (in order of proficiency) – Python, Java, SQL/SQLite, HTML/CSS, OCaml, XQuery
Software – Git, GitHub, Google Workspace, Microsoft Office, Slack, VS Code

*Ongoing assistance during academic breaks