

# Jude Cudiamat Lopez

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## EDUCATION

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### Bachelor of Arts in Computer Science

Boston University, College of Arts and Sciences

GPA: 3.6

Dean's List: Spring 2024, Fall 2023, Summer 2023, Spring 2023

Relevant Coursework: Combinatoric Structures, Geometric Algorithms, Computer Systems, Probability in Computing, Concepts of Programming Languages, Software Engineering

May 2026

Boston, MA

## WORK EXPERIENCE

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### Undergraduate Course Facilitator, CAS CS 237: Probability in Computing

Boston University, College of Arts and Sciences

September 2024 – Present

Boston, MA

- 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 140 students.

### Intern

LA Acoustical Services Inc

September 2022 – December 2022; occasional work in 2023 and 2024

Canoga Park, CA

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

## PROJECTS ([GitHub](#))

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### [Spark! Bytes Web Application](#)

JavaScript, Go, SQL

Frontend: Next.js/React, Backend/API: Go, Database: PostgreSQL

- A web application meant for students to view and access left over food from social events, aiming to reduce food waste and promote campus-wide activities. Currently being developed as a part of group project for CS391: Spark! Software Engineering Immersion.

### [Automated Web Gameplay Scripts](#)

Python

Libraries: Keyboard, NumPy, OpenCV, Pillow, Pytesseract

- Two of my current passion projects focus on using screen capture and color masks to track objects and gather information. The data is then analyzed and used to determine the appropriate decisions to execute.

### [Screen Data Collection Tool](#)

Python

Libraries: Keyboard, PyAutoGUI, Tkinter

- Captures screen positions and RGB values based on mouse coordinates. Initially created to gather information for use in additional projects.

## SKILLS

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Languages – Java, JavaScript, LaTeX, OCaml, Python, SQL

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

## EXTRACURRICULARS

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### Hack4Impact Junior Development Team

September 2024 – Present

- Engaged in weekly workshops focused on the implementation of various aspects of web development, as well as the creation of mini-projects.