

# 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*

May 2026

*Boston, MA*

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

## 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 – 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

HTML, CSS, JavaScript

- 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

- 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. Operates using OpenCV, Pillow, NumPy, Keyboard, and Pytesseract libraries.

### Screen Data Collection Tool

Python

- Captures screen positions and RGB values based on mouse coordinates. Initially created to gather information for use in additional projects. Functions using Tkinter, PyAutoGUI, and Keyboard libraries.

## SKILLS

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**Languages** – Assembly, Java, OCaml, Python

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

## EXTRACURRICULARS

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### Hack4Impact, HackHardware, RASTIC

September 2024 – Present

- Engaged in workshops focused on the application and implementation of HTML/CSS, JavaScript, Arduino, Raspberry Pi Pico, and other technologies.