

Jodi Yu

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EDUCATION

Boston University

B.A. in Mathematics and Computer Science, GPA: 4.0

Boston, Massachusetts

Graduation Date: May 2026

University of California, Santa Barbara

B.S. in Applied Mathematics, GPA: 3.95

Santa Barbara, California

Date: Aug 2022 - June 2023

Homestead High School

GPA: 3.97

Cupertino, California

Date: Aug 2018 - June 2022

WORK EXPERIENCE

STEPP Lab for Sensorimotor Rehabilitation Engineering

Data Analysis Research Assistant

Boston, Massachusetts

November 2023 - July 2024

- Investigated **auditory-motor functions** in speakers, focusing on how variation in auditory feedback impacted speech pronunciation within the 40-120 MS hearing timeframe.
- Conducted extensive data cleaning and pitch level analysis to ensure data consistency and reliability.
- Utilized **Matlab** to assess data usability, identify outliers, and ensure accurate voice tracking.

BU - Department of Computer Science

CS111 Course Assistant

Boston, Massachusetts

September 2024 - Present

- Conduct regular **office hours**, providing individualized instruction in **Python** to enhance students' understanding of key concepts, including recursive design, loops, dictionaries, and mutable data.
- Facilitate collaboration and in-depth dialogue during discussion sections.
- Grade** and provide constructive feedback on student assignments, promoting progress and comprehension of course materials.

Association for Women in Mathematics, BU Chapter

Treasurer

Boston, Massachusetts

September 2023 - Present

- Direct the club's **budget allocation** through comprehensive financial planning, communicating with the BU Allocations Board to submit budget requests and spending reports.
- Organize and facilitate weekly meetings.
- Collaborate with the officer board to ensure seamless event planning within budgetary constraints.

PROJECT EXPERIENCE

Missed Connections - Full Stack iOS Social App

Frontend Developer

- Inspired by the nostalgia of Nintendo StreetPass, tracks user location throughout the day and algorithmically matches like-minded users to allow users to discover new connections.
- Implemented using Swift, Apple's Foundation framework, CoreLocation framework, MapKit, Django and Python, PostgreSQL, and Railway.
- Outcome:** Won Automatic Admission into *Spark! Technology Innovation Fellowship Course* at BostonHacks.

Tilings and Topological Disks - Math Research Presentation

Directed Reading Program Researcher

- Conducted an independent study on tiles as closed topological disks and categorizations of plane tilings.
- Collaborated weekly with a math grad student to discuss concepts in topology.
- Outcome:** Presented research findings to peers and math department faculty.

Racial Demographics in Higher Education - Data Analysis Project

Data Analyst

- Analyzed the interplay between racial composition, socioeconomic status, and post-grad earnings in higher education using R.
- Extracted, cleaned, and processed large dataset from the U.S. Department of Education to ensure accuracy.

SKILLS & INTERESTS

Programming languages: C++, C, Python, Java, Swift, Matlab, Assembly, R

Coursework: Disct Math | Lin Alg | Diff Eq | Phys I | Data Sci I-II | Vector Calc | Data Struct | Adv Stat and Prob | Comp Systems | Algorithms

Clubs: Edge Contemporary and Jazz Dance Company, Dance Theater Group

Awards: Dean's List-College of Arts & Sciences, AP Scholar with Distinction, All-American Dancer by USA Dance