

EDUCATION

Brandeis University, Waltham, MA

Bachelor of Science in Computer Science, Applied Mathematics

Expected May 2024

GPA: 3.905/4.00, Dean's list every semester (5 total)

Relevant Courses: Operating Systems, Data Structures and Algorithm in Java, Object-oriented Programming Techniques in Java, Problem solving in Python, Theory of Computation, Natural Language Processing, Optimization, Linear Algebra

Skills

Python, Java, Figma, React Native, HTML, Flask, CSS, JavaScript, Video Editing

EXPERIENCE

Undergraduate Teaching Assistant

Jan 2023 - Present

- Assisting Professor in Problem Solving in Python with over 70 students to enhance student understanding by holding regular office hours and providing mentorship.
- Help professor grade and give feedbacks to students' homework and programming assignments.
- Holding weekly recitations to answer students' questions about lectures materials.

Undergraduate Research Assistant

Jan 2023 - Present

- Assist Professor Pustejovsky's Lab to complete domain specific AMR(Abstract Meaning Representation) annotation.
- Manually annotate and validate machine generated AMR graphs using [AMR-dict](#) and [UMR writer](#).
- Design and propose domain specific rules to adopt AMR graphs to suit for recipe data set
- Using [Python](#), [spaCy](#) and [Flask](#) to process jsonlines file and visualize event trigger and entity spans across sentences.
- Generating GLAMR that incorporates subevent structure for predicates and designating opposition structure for the object undergoing change.

HackMIT 2022 (Python, Flask, Figma)

Oct 2022

- Get selected as one of 1000 participants in HackMIT from applicants around the world.
- Collaborated with team to investigate [Audio Digital Signal Processing](#) and [Natural Language Processing](#) techniques.
- Self learned [Q&A generation](#), implemented in python and incorporated in final project in two days with team member
- Launched web page integrated transcription, summary, and question generation using [Figma](#).
- [Designed a website](#) provides functions of audio to text translations, summary generation, and QA generation using [transformer](#), [HEPOS](#), entity highlighting

Brandeis DeisHacks (React, CSS, Figma)

Feb 2023

- Collaborated with two team members to created an application for local non-profits Charles River Museum
- Using Figma to design a [responsive mobile application interface](#) with animation

Member of Branda (React Native, Figma)

Apr 2022 - May 2023

- Collaborated with other team members to develop and optimize existing features of Branda app for Brandeis University
- Designed new layout of Special Event section for Branda APP that can display Brandeis upcoming events and direct to the relevant website
- Focusing on Frontend and improved features in the mobile app using [Figma](#) and [React native](#)

Projects

Personal Website (HTML CSS JavaScript)

- Self learned HTML, CSS and JavaScript, designed [personal website](#) and host in on GitHub.
- Effective, customer-friendly, responsive and goal-oriented website that displays all of my experiences and projects with clear and artistic layout design.

Stochastic Variance Reduced Gradient Experiment (Jupyter Notebook)

- Collaborated with team members to experiment and research about how SVRG results in a better convergence.
- Compare convergence speed of SVRG and regular SGD method, concluded that using SGD or GD at the beginning of the descent and then turn to use SVRD will find a more precise solution.

Leadership

President of Brandeis Running Club

Mar 2021 - Present

- Created Brandeis first Running Club and recruited more than 100 members
- Established Running Club overall objectives and value system
- Organize running events twice a week, manage club's budget and plan for semester events
- Managed meetings with e-board members to set goals and stimulate enthusiasm of runners in Brandeis