
EDUCATION

Brandeis University, Waltham, MA

Bachelor of Science in Computer Science, Applied Mathematics

Expected May 2024

GPA: 3.82/4.00, Dean's list

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

EXPERIENCE

HackMIT 2022 (Python, Flask, Figma)

Oct 2022

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

Member of Branda (React Native, Figma)

Apr 2022 - Present

- 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](#)
- Work closely with team members to constantly innovate app functionality and design

Undergraduate Teaching Assistant

Jan 2023 - Present

- Assisting Professor in Problem Solving in Python with over 40 students to enhance student understanding by holding regular office hours and providing mentorship.

Public Relations Member of Brandeis Chinese Culture Connection Club

Sep 2021 - Present

- Copywriter for Brandeis Chartered Chinese Culture Connection Club
- Collaborated with team members to develop marketing materials for upcoming events
- Three years experience in writing Wechat articles
- Wrote articles for Spring Festival shows recruitment, Eyes for Brandeis photography contest recap, Brandeis new food ordering and delivery APP description, with 500 views on average.

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 do experiments and academic research to find out why SVRG can result 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
- Organized running events twice a week
- Managed meetings with e-board members to set goals and stimulate enthusiasm of runners in Brandeis
- Managing club's budget and plan for future events.

Skills

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