Keer Xu

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EDUCATION

Brandeis University, Waltham, MA

Bachelor of Science in Computer Science, Applied Mathematics   Expected May 2024

GPA: 3.86/4.00; 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

Projects

Race Car (JAVA)

- Apply the practices of inheritance and object-oriented programming to design a race car simulation

Chess Scoreboard System (JAVA)

- Implementing a self-balancing AVL Tree to self-balancing AVL tree to allow fast computation of player ranking

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 meetings to set goals and stimulate enthusiasm of runners in Brandeis
- Managing club's budget and plan for future events.

Skills

Python, Java, React Native coding experience, Basic editing skills, Using Figma for mobile app or website development

Team building, Collaboration, Time management, Computer skills, Friendly, positive attitude

Multitasking