Ji Zhang

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EDUCATION

Boston University | Boston, MA   Expected May 2022
Bachelor of Arts in Computer Science, minor in Visual Arts (**GPA**: 3.76/4.00; **Honors**: Dean's List)
Kilachand Honors College

SKILLS

Programming: Python, Java, JavaScript, Java, C++, OCaml, React.js, HTML/CSS
Tools: Figma, Invision, Miro, Adobe XD, InDesign, Illustrator, Photoshop, Procreate, Jupyter Notebook, Tableau, LaTex
Languages: Mandarin, English, Korean

WORK EXPERIENCE

Boston University | Boston, MA
Course Assistant – Android Application Development, Probability, Computational Tools for Data Science   Sep 2021 – Present
- Evaluated and provided crucial feedback to students' assignment submissions.
- Taught course-related concepts in weekly office hours.
- Demonstrated responsibility by managing **50-200** weekly student assignments.

Worker – Einstein Bros. Bagels   Jan 2020 – Present
- Advanced client communication skills by directly interacting with customers.
- Trained new employees to successfully acclimate to new work environment.

Research Assistant – Neuroscience   May 2020 – Jun 2020
- Utilized **CaImAn** and **Jupyter Notebook** to process **300** images of mouse brain activity.
- Wrote **Python** scripts to batch process large data files.

Shengsigu | Shenzhen, China   May 2019 – Sep 2019
Teaching Assistant Intern
- Taught children **Scratch** and **Arduino modules**.
- Induced interest and led **15** students to succeed in learning simple programming concepts.

TECHNICAL PROJECTS

Find My Music   Spring 2021
- Engineered, alongside three other teammates, a mobile application that allows users to find related playlists with a picture of an album cover.
- Integrated playlist suggestion feature using **Google ML Kit Text Recognition** and **Spotify API**.
- Employed **Figma** and **Miro** to improve application **UI/UX**, leading to an increase in application popularity.

Le Calendrier   Spring 2021
- Worked with three other teammates to design a meeting management web application.
- Designed application **UI/UX** using **Figma**.
- Implemented meeting scheduling forms and overall frontend features using **Javascript** and **HTML/CSS**.

Big Data Processing   Spring 2021
- Collaborated with four other teammates to analyze Boston voting patterns on a ward-precinct level to help publish an article for Baystate Banner.
- Utilized **Python data processing** packages, **heatmap techniques** and **Tableau** to analyze and visualize **20** voting datasets to predict Michelle Wu as Boston's 2021 mayor.
- Implemented a sentiment analysis algorithm for movie reviews using **natural language processing** techniques.
- Utilized **Pandas**, **Numpy**, **NLTK**, and **SKLearn** to improve algorithm, ultimately ranking **20 out of 160** students.

PikaCourse   Summer 2020
- Engineered a software infrastructure with a team to allow students to discover and interact with others who share similar class schedules.
- Served as a direct link between product designers and backend engineers.
- Coded frontend features using **React.js**.
- Employed effective communication skills to win **$2000** in a pitch competition at the Virginia Tech Kickstart program.