Anna Zhang

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EDUCATION

Brown University | Providence, RI — Expected May 2024
Master of Science in Computer Science (**GPA**: 4.00/4.00)
Boston University | Boston, MA — Sep 2018 - May 2022
Bachelor of Arts in Computer Science (**GPA**: 3.80/4.00; **Honors**: Kilachand Honors College/ Cum Laude)

SKILLS

***Programming*:** Python, Golang, Java, SQL, Javascript, HTML/CSS, React.js
Packages: Numpy, Pandas, Scikit-Learn, Matplotlib
***Tools*:** Github, Microsoft Suite, Figma, Tableau, LaTex, Power BI
***Languages*:** Mandarin, English, Korean

WORK EXPERIENCE

Earthly | England and Wales
Frontend Engineer and Marketing UX Intern — May 2023 – Present
- Redesigned and developed marketplace website to improve conversion with **Figma** and **HTML/CSS**
- Liase marketing and engineering teams using **Jira** to facilitate business alignment and expedite action items
- Created user pain points, user persona, user journey map, user flow and app skeleton for the new marketplace website

Brown University | Providence, RI
Teaching Assistant - DATA 1030 Hands-on Data Science — Sep 2023 – Present
- Teach all aspects of the **machine learning pipeline** and classical models and techniques for classification and regression
- Teach students the **Python** data science ecosystem (e.g., sklearn, pandas, numpy, matplotlib)

Digital Learning & Design Assistant — Sep 2022 – Present
- Developed **python script** to scrape and analysis Brown's courses' evaluation data
- Assist the IT team in **Web Development** in **HTML** and **CSS**
- Perform **user testing** and identify usability problems for current course websites

Climate and Development Lab Frontend Web Developer — Nov 2022 – May 2023
- Visualize lobbying data in the U.S. for CDL in **Javascript, Typescript, Svelte, and Tailwind CSS**
- Design the Web application in **Figma**

Head Teaching Assistant - Computing Foundations: Data — Nov 2022 – May 2023
- Designed and developed course website in **Jekyll, Ruby, and Bootstrap**
- Taught **Pyret and Python** and computer science basis in weekly lab and office hours

TECHNICAL PROJECTS

NFT Sale Price Predictor — Spring 2023
- Collaborated with three other teammates to build a NFT collection sales price predictor with **random forest** model and **KMeans** model
- Developed **python script** to scrape data from largest aggregator for NFT collections website with **playwright library** and created a **database** with identifying attributes

Emotion Detector — Fall 2022
- Built a emotion detector in **Python** based on the 16 layers of C**onvolutional Neural Network model (VGG16)** and scored **59% accuracy** on testing data in a group of four
- Featured in Brown University **Computer Vision Project Presentation**

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