Anna Zhang

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https://azj00.github.io/ | https://github.com/kimonazj

EDUCATION

Brown University | GPA: 4.00/4.00 — Expected May 2024
Master of Science in Computer Science

Boston University | GPA: 3.80/4.00, Kilachand Honors College — Sep 2018 - May 2022
Bachelor of Arts in Computer Science, Minor in Visual Arts, 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
Full Stack Engineer Intern — May 2023 – Present

- Redesigned and integrated Stripe Checkout for the marketplace website to improve conversion with **React.js** and **Figma**
- Created new interactive card components in **Storyblok**, adhering to design guidelines outlined in Figma
- Created project plans and timelines in **Jira** by meeting separately with marketing and engineering teams and resolving marketing desires with engineering ability in the most expedient way possible
- Thrived in an agile development environment, consistently meeting 100% of project milestones and deadlines

Brown University Computer Science Department | Providence, RI
Head Teaching Assistant — Nov 2022 – Present

- Designed and developed course website with **Jekyll, Ruby,** and **Bootstrap** where students can download homework and lab assignments, view course calendar, access syllabus, and receive weekly updates from course instructors
- Taught students machine learning pipeline in **Python** in weekly lab and office hours
- Managed 200 weekly student assignments by delegating grading to course assistants, evaluating submissions and providing feedback, and assuming accountability for the timely release of results

Brown University Sheridan Digital Teaching and Learning Center | Providence, RI
Digital Learning & Design Assistant — Sep 2022 – Present

- Developed Python script to scrape and analyzed Brown's courses' evaluation data
- Collaborated with the IT team to develop new Google site templates in **HTML** and **CSS**
- Wrote unit tests to identify usability problems for current course websites

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
- Built an interactive website in React.js which allow users to predict the Bored Ape NFT sales price with our model

Emotion Detector — Fall 2022

- Trained a 16 layers of Convolutional Neural Network model (**VGG16**) in Python to recognize six kinds of facial expressions and scored 59% accuracy on testing dataset in a group of four
- Featured in Brown University Computer Vision Project Presentation

Big Data Processing — Spring 2021

- Collaborated with 4 teammates to analyze Boston voting patterns for an article in the Boston Banner newspaper
- 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