Ivan Zhao

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EDUCATION

BROWN UNIVERSITY
BS in Applied Math and
Computer Science
Exp. May 2022 | Providence, RI
Pathway: Design and AI/ML
GPA: 4.0/4.0

LINKS

LinkedIn:// **ivan-zhao8**
Github:// **zhaovan**

COURSEWORK

FALL 2019 - SPRING 2020
Computer Systems
Deep Learning
Statistic Interference I
Machine Learning
Probabilistic Models
Computer Vision

FALL 2018 - SPRING 2019
Data Structure and Algorithms
Functional Programming
Linear Algebra
Multivariable Calculus

SKILLS

PROGRAMMING
Frontend
- React
- Redux

Backend/Database
- MongoDB
- Express
- Node
- Firebase

Languages
- Javascript
- Java
- Scala
- C
- Python

INTERESTS

- Rock Climbing and Golf
- Crosswords and Dogs
- Baking and Cooking

EXPERIENCE

INTUS CARE | Fullstack Developer
Oct 2019 - Present | Providence, RI
- Developed a REST API to handle adding, deleting, and updating patient, appointment, and tasks using **Node, Express,** and **MongoDB**
- Implemented session authentication through JWT on both the website and mobile app, allowing for users to maintain authentication
- Created and deployed dashboard pages in **React** for managers to maintain their caregivers and assign appointments, intended for **100+** users in pilot
- Lead a team of six developers through sprint planning, conducting code review, and organizing 1:1 meetings

VAN WICKLE VENTURES | Student Associate
Dec 2019 - Present | Providence, RI
- Conducted due diligence on startups started by Brown students and alumnis, meet with founders to discuss metrics, business plans, and tech problems as they arise
- Work with portfolio company, 305 Fitness, by evaluating quarterly company metrics, discussing with the team on potential growth avenues, and presenting them with challenges
- Creating a database of all Brown startups on campus for interested students to get involved while allowing VWV to maintain a comprehensive database tool

LOFTIUM | Operations Intern
June 2019 - Aug 2019 | Seattle, WA
- Created a chatbot in **Javascript** using **Messenger API** that processed user queries, stored relevant information in a Google Sheet, and is currently used by the company to manage over **100 users** a day with an **18% conversion rate**
- Integrated third-party applications using **REST API's** in Javascript to automate data migration from internal database to Hubspot
- Presented bug changes, feature fixes, and design updates to current co-founders to improve overall UX flow on the website

PROJECTS & ACTIVITIES

RHYME TIME (RNN MODEL) Dec 2019
- Implemented a language model in **Tensorflow** to generate limericks, both in rhyme scheme and in poem structure using LSTM cells
- Scraped poems from the web using **Python and BeautifulSoup** to pull limericks from online databases and parse them into functional data
- Utilized CMU phoneme dictionary to map words to phrases in order for the model to better learn rhyme scheme

WANDER (TRAVEL APP) Aug 2019
- Developed frontend for Wander, a cross-platform mobile app, that allows users to create itineraries, add points of interest, and view other itineraries
- Utilized Google's **Search and Places API** to find cities and points of interest and developed an algorithm to add points to a calendar to optimize time
- Pulled travelling time and average duration spent in locations and implemented a first fit memory management in a calendar in order to optimize travelling between points of interest