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**
Portfolio:// **ivanzhao8**
Github:// **zhaovan**

COURSEWORK

FALL 2019 - SPRING 2020
Intro to Systems
Artificial Intelligence
Statistics I
Machine Learning
Ordinary Differential Equations
Probabilistic Models

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

SKILLS

PROGRAMMING
Frontend
- React
- Redux

Backend/Database
- MySQL
- Express
- Node
- Firebase

Languages
- Javascript
- Java
- Scala
- OCaml
- Racket

INTERESTS

- Rock Climbing and Golf
- Music and Musical Theatre
- Baking and Cooking

EXPERIENCE

LOFTIUM | Operations Intern
June 2019 - Aug 2019 | Seattle, WA
- Created a chatbot in **Javascript** that processed user queries on Facebook and is now currently used by the company to manage over **100 users** a day with an **18% conversion rate**
- Integrated third-party applications through Zapier using **REST API's**, resulting in an increase in efficiency in workflow by **10%**
- Presented bug changes, feature fixes, and design updates to current co-founders to improve overall UX flow on the website

NLYST | Frontend Engineering Intern
Jan 2019 - May 2019 | Providence, RI
- Restructured the new Nlyst website and improved the UI/UX by creating a blog, segmented page structure, and rebranded the colors for consistency
- Added segment tracking and improved overall SEO of the site. Led to site appearing in first two pages on Google and increased conversion rate to 10%
- Conducted market research on **100 college students** about their career interests and used Excel to analyze data and presented information back to founder

RESEARCH

SEATTLE'S STARTUP ECOSYSTEM | Student Research
Sept 2017 - May 2018 | Bellevue, WA
- Conducted a year-long research project on social variables that contributed to tech entrepreneurship in the Greater Seattle Area
- Chosen to present to the Bellevue Schools Foundation at the annual conference

PROJECTS & ACTIVITIES

CASTYR June 2019 - Present
- Designed frontend framework for Castyr, a podcast web-player startup idea that supports social media posts, uploading, and playing functionality
- Created pages and functionality with **React and Redux**

SOCIAL MEDIA CLONE June 2019 - July 2019
- Designed and implemented a cross-page web application that copies the format of popular social media apps such as Facebook and Twitter
- Frontend created using **React and Redux**, backend supported by **Express and Firebase**

SEARCH ALGORITHM March 2019 - April 2019
- Implemented a **Scala** version of Google's search algorithm with **Page Rank, Term Frequency, and Inverse Document Frequency**

ENTREPRENEURSHIP PROGRAM | Creative Committee Member
Jan 2019 - Present | Providence, RI
- Creating an entrepreneurship and design pre-orientation program for incoming Freshman by curating course content and designing and advertising posters,
- Working and designing an **online forum** that connects students at RISD and Brown on personal projects that they can find team members or partners more easily