Yixin Deng

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EDUCATION

Brown University   Expected Graduation: **May 2024**

Master's in Computer Science, *GPA*: 4.0

Boston University   September 2018 - May 2022

Bachelor of Science in Communication, Minor in Computer Science, *GPA*: 3.61

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Java, Python, C, HTML, CSS, Swift, SQL, C++
- **Technologies:** React, ExpressJS, MongoDB, NodeJS, Redux, Flask, MySQL, React Native, Jest, JQuery
- **Tools:** Familiar with Git and Github, Jira, IntelliJ, VSCode, Android Studio, XCode

EXPERIENCE

Frontend Software Engineer Intern   September 2023 - Present

Bugfree.ai, San Jose, CA

- Developed and maintained frontend for an AI job interview prep website with 200+ daily users, using **React, TypeScript**, **NextJS**, and **Tailwind CSS**.
- Independently designed and implemented various UI components including file uploaders and multi-page forms, alongside developing APIs for backend data retrieval.
- Added unit tests using **React Testing Library** and **Jest,** increasing test coverage from 55% to 85%. This enhanced code quality and notably reduced bugs, ensuring application reliability.

Software Development Engineer Intern   **May - July 2023**

Expedia Group, Austin, TX

- Designed and developed a dynamic component preview feature for the Explorer app that showcases components from a company-wide iOS UI library with **Swift**, **GraphQL**, and **SwiftUI**.
- Enhanced the preview app by enabling the querying of data from multiple brands across the company, facilitating direct testing of UI changes within the app, and increasing the efficiency of the iOS teams by more than 30%.
- Led a team of interns in sprint planning using **Agile methodology**, and actively utilized **JIRA** to create tickets, establish roadmap timelines, and track peer progress through daily standup meetings.

Frontend Software Developer   **December 2022 - April 2023**

To Your Rescue, Southport, NC

- Designed and implemented a cloud-based web iteration of desktop animal shelter management software, leveraging **TypeScript**, **React**, **Redux**, and **Microsoft Azure**. This initiative enhanced responsiveness and usability, resulting in a notable 45% increase in user satisfaction.
- Implemented an interactive animal webpage, enabling users to view, add, and edit animal information stored in the database utilizing **RESTful API**. Utilized localStorage for caching backend response, achieving a 15% increment in performance.

PROJECTS

Real Estate Marketplace Application   **March 2024**

- Developed a Real Estate Marketplace application using **MongoDB**, **ExpressJS**, **React**, and **NodeJS**.
- Implemented a comprehensive login and registration system with email confirmation, password reset functionality, and JWT-based authentication and authorization with refresh tokens.
- Integrated **AWS services** such as IAM, S3, and SES for user authentication, secure file storage, and email communication.

Online Social Photo Network Application   **February 2021**

- Built an online photo-sharing application intended to allow 500 users to create accounts, upload photos, search photos, like, and comment on others' photos with **Flask**, **Jinja2**, and **MySQL**.
- Developed a photo and friend recommendations system with **relational database** queries.