

Tianxiang Ren

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EDUCATION

Northeastern University

Master of Science in Information Systems, GPA: 3.6

Boston, MA

Expected Dec 2023

Hefei University of Technology

Bachelor of Engineering in Mechanical Engineering

Anhui, China

June 2021

Relevant Courses:

Concepts of Object-Oriented Design, Web Design and User Experience Engineering, Program Structure and Algorithms

EXPERIENCE

Software Development Intern

Mar - Present, 2023

TRACT

San Francisco, CA

- Lead a team in frontend development with **TypeScript** and **React**, improving website's UI/UX of TRACT
- Contribute to the user Authentication and Authorization APIs development and integration with **Next.js** in the backend, working closely with the team to optimize performance and functionality
- Collaborate with cross-functional teams to design and implement periodic design updates, ensuring a visually appealing and intuitive user interface
- Publish website updates with **AWS EC2** and **Nginx**, ensuring seamless deployment and accessibility for end-users

Software Engineer Intern

Jun - Aug, 2020

Sichuan TIANYUAN Machinery Engineering Co., Ltd.

Sichuan, China

- Developed a web application using **Python** and **Flask** that managed over 200+ products per week
- Contributed 3,000+ lines of code for the frontend UI using HTML/CSS/Javascript/Bootstrap
- Implemented management CRUD functions using Python scripts and configured MySQL database connections

PROJECTS

MovieProx | Javascript, Git, Express, React, Node.js, MongoDB Atlas, Axios

Apr, 2023

- A responsive Netflix-like website built with MERN (MongoDB, Express, **React**, **Node.js**) stack and the **Themoviedb API**. Users can sign up, search movies, TVs and people, add movies to favorite list, write reviews.
- Developed server APIs with **Express** and make API calls to the Themoviedb API by deploying **Axios** clients
- Designed responsive and modern web pages with React, Material UI, SwiperJS, Formik and Yup
- Provided user authentication and protection with JWT and Express Validator
- Deployed the application on Vercel and host the database on **MongoDB Atlas** for cloud storage

Instant Response Immediate Support | Javascript, Git, MongoDB, Express, React, Node.js

May, 2022

- Designed a responsive and user-friendly full-stack web app platform to triage non-emergency complaints, enabling immediate telehealth support from qualified emergency physicians
- Developed server-side logic and RESTful API using **Node.js** and **Express.js** for fast and efficient data processing
- Designed responsive and modern web pages with HTML5 and CSS3(with Bootstrap5, Semantic UI, Bulma)
- Implemented user authentication and authorization with JWT and bcrypt.js, ensuring secure data access
- Created modern and appealing web pages using **React.js**, HTML5, and CSS3 with Bootstrap5 and Semantic UI

Employee Management System | Java, React, Spring Boot, MySQL, Javascript, Bootstrap, Axios

Nov, 2021

- Designed a web application for employee information management using **React**, **Spring Boot** and **MySQL**
- Built up **REST** web services with Spring Boot at the backend
- Created routers, components and services for UI with React at the frontend
- Used MySQL to store all the employees data such as Id, firstName and lastName to interact with repository layer within Spring Boot
- Utilized Axios Http Library to make REST API call from React application

TECHNICAL SKILLS

Languages: Java, Javascript, Typescript, SQL, Python, HTML, CSS

Frameworks and Techs: React, Node.js, Bootstrap, Spring Boot, Flask, AWS Amplify, Serverless, jQuery, Express.js

Developer Tools: Git, Docker, Visual Studio Code, MySQL, SpringToolSuite4, IntelliJ, Eclipse, Atom, Anaconda