

Yiyi Shen

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Education

Purdue University

B.S. in Mathematics

Aug. 2019 – May. 2023

Dean's List + Semester Honors

Skills

Front End/Back End: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, Mongoose

Version Control/Testing: Git, Selenium, Jest

APIs: RESTful APIs, Google Maps API, Firebase, Socket.IO

Projects

My Personal Website | *JavaScript, HTML/CSS, React.js*

Jan. 2023 – Feb. 2023

- Developed a visually appealing and responsive personal website, yiyishen.com, showcasing my skills as a front-end engineer, resume, and contact information.
- Implemented a custom, mobile-first design for yiyishen.com using HTML, CSS, and React, optimizing the website for usability across devices.
- Utilized React best practices and component-based architecture to ensure scalable and maintainable code.
- Employed advanced CSS techniques, such as Flexbox and CSS Grid, to create a modern, responsive layout while ensuring cross-browser compatibility.
- Used GitHub Actions to compile my resume and upload it to a GitHub Pages-hosted PDF that can be viewed inline.

PostMan Website | *JavaScript, HTML/CSS, React.js, Node.js, MongoDB*

Sep. 2022 – Dec. 2022

- Designed and developed a task-based delivery web application using React for the front end, following the MVC pattern to ensure clean and maintainable code.
- Developed a robust and flexible backend using Express.js, and MongoDB. Utilized Mongoose for efficient and scalable data modeling, reducing code base by 15% and enhancing maintainability.
- Embedded Google Map API for route tracking, address search, and auto-fill functionality, resulting in a seamless and user-friendly delivery management experience.
- Implemented Firebase for user authentication and Socket.IO for real-time communication.

Experience

Zanhe (Shanghai) Industrial Development Co., Ltd

Shanghai, China

Test Engineer Intern

May. 2021 – Aug. 2021

- Developed a thorough understanding of the smart classroom IoT system's functionality and requirements by collaborating closely with the development team and stakeholders.
- Designed and executed a wide range of test cases, including functional, integration, and performance tests. Achieved 95% test pass rate, demonstrating rigorous and detail-oriented testing approach.
- Leveraged automation tools such as Selenium to design and implement a comprehensive suite of regression tests, reducing the amount of time and effort required for testing.
- Contributed to the development of a CI/CD pipeline with GitHub Action, enabling more frequent and efficient software releases and further improving overall software quality.