

Yiyi Shen

765-714-4606 | Skye_one@hotmail.com | yiyishen.com | linkedin.com/in/shen488

Education

Purdue University

B.S. in Mathematics

Aug. 2019 – May. 2023

Dean's List + Semester Honors

Skills

Languages: Python, R, Java, JavaScript, HTML/CSS, XML, Matlab, Swift

Tools/Frameworks: Git, Linux, JIRA, JUnit, SQL

Software testing: Manual, Agile, Waterfall, Automation, Performance, Usability

Experience

Ningbo-Zhoushan Port (Group) Co., Ltd

Ningbo, China

Test Engineer Intern

May. 2022 – Aug. 2022

- Developed and implemented test plans for an online shopping platform hosted on a Linux server.
- Performed manual and automated testing, including unit, integration, system, and regression testing. Documented and tracked bugs and issues in JIRA.

Zanhe (Shanghai) Industrial Development Co., Ltd

Shanghai, China

Test Engineer Intern

May. 2021 – Aug. 2021

- Created and executed comprehensive test plans for an IoT system, resulting in identifying and resolving numerous software defects.
- Designed and executed automated regression tests for an intelligent classroom platform, resulting in a 40% improvement in overall software quality.

Dawei Intelligent Technology Co., Ltd

Ningbo, China

Assistant of general manager

May. 2020 – Dec. 2020

- Assisted in the planning and execution of projects, including setting timelines, allocating resources, and monitoring progress.
- Collaborated with cross-functional teams to ensure project success and timely delivery.
- Conducted data analysis and created reports, providing valuable insights and recommendations to the General Manager.

Projects

PostMan Website | JavaScript, HTML/CSS, React, Node, 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.
- Implemented Firebase for user authentication and Socket.IO for real-time communication between users.
- Programmed over 10 RESTful APIs using Express.js, with data stored in MongoDB.
- Embedded Google Map API for route tracking, address search, and auto-fill functionality, resulting in a seamless and user-friendly delivery management experience.

Boiler Math | Python, Flask, Swift, XPath

Jan. 2022 – May. 2022

- Developed a Python program to parse the HTML of Purdue Math Department's website, extracting and scraping all past exam links to compile a comprehensive database of exams.
- Built RESTful APIs using Flask and stored discussions on Back4app, ensuring scalable and efficient data management. Deployed the APIs on a Linux server with Nginx, Unicorn, and Supervisor, resulting in a high-performance and reliable API service.
- Designed the GUI of an iOS application using Swift Storyboard and conducted extensive testing with real phones to ensure a seamless and user-friendly experience.