JIAHAO ZHU

Tel: 407-437-2504 | E-mail: zjh6252007@gmail.com

SUMMARY

A dedicated Software Developer and Data Analyst with 4 years of hands-on experience in software development and data analytics. Proficient in Java, JavaScript, Python with a strong background in React, Springboot, Redis, MySql, Docker, Git, AWS, CI/CD. Recognized for exceptional algorithmic skills and a commitment to delivering high-quality work. An effective team player who is hardworking, adaptable, and self-motivated with a proven record of optimizing web functionalities and contributing to collaborative projects.

WORK EXPERIENCE

Wondeful Life Appliances   **2023.5 - present Melbourne,Floirda, USA**
Web developer

- Spearheaded the development of E-commerce websites with a focus on SEO optimization to enhance online visibility.
- Instrumental in the creation and maintenance of WLAppliance and Appliances4LessFP.
- Designed and Developed the company's warehouse management system.
- Web Link: https://www.wlappliance.com/

UCF Smart & Safe Transportation Lab   **2021.6 – 2023.5 Orlando, Florida, USA**

Software Developer

- Developed a driving simulator, integrating data extraction functionalities.
- Conducted thorough data analysis to underpin research findings for academic publications.
- Participate in the creation of large public datasets 'City Sim', showcasing innovation in virtual representation of transportation systems.
- Overhauled the lab's official website and provided comprehensive IT support, including computer, server, and equipment setup and troubleshooting.
- Web Link: https://smartsafe.ucf.edu/

Shanghai Fengsheng micromotor Co., LTD   **2015.5 - 2016.5 Shanghai, CHINA**
Software Developer & Data Analyst

- Managed system and database development and maintenance, ensuring seamless operation.
- Leveraged analytical skills to evaluate product data, leading to the formulation of effective sales strategies.

EDUCATION BACKGROUND

University of Central Florida 　　　　　　　　**2018.6 - 2022.11 Orlando, Florida, USA**

B.S in Computer Science 　　　　　　　　　　　　**Major GPA 3.5/4.0**

PROJECTS

Property Management System 　　**Java, Javascript, SpringBoot, React.js, Git, Docker**

Link(https://github.com/zjh6252007/Property-Manager)

Users can use the system to manage multiple properties. The project supports JWT with **Redis and localStorage**. Use Spring Security to encrypt the password. Use JavaMailSender to implement the email verification function. Use **Amazon S3 API** enabling users to upload documents. Integrate **Web Socket** to allow real-time communication between landlord and tenant. Utilized **Google MAP AP**I to integrate the address quick input function.

Warehouse Management System 　　**Java, Javascript, MySQL, SpringBoot, React.js, Git, Docker**

Developed the warehouse management system to help the company to create, and manage inventories and orders. Implement a **mall system** that can allow users to create, delete, and modify orders from inventory. Utilized **OpenCSV** which allows users to import inventory by uploading a .csv file. Implemented the receipt generate system which can generate receipts for each order and user can modify the receipt by changing company information or uploading the company logo. Deploy the database on **Amazon RDS**. Enable **reverse proxy** and **load balancing** by using **nginx**.

UCF-SST-CitySim-Dataset 　　　　**C#,Python, Unity3D**

https://github.com/ozheng1993/UCF-SST-CitySim-Dataset

Make and import Digital Twin Base Map

Implement Co-Simulation

Connect Driving simulator and pedestrians simulator

Publications

Yue,L.,Abdel-Aty,M.,B.E,**Zhu,J**.,Zheng,O.,&Zaki,M.(2021).Cooperative Driving at Non-Signalized Intersection in a Mixed Traffic Environment: A Co-Simulation Based Multi-Driver Driving Simulator Study.Transportation Research Part C

Wang, Zijin and Yue, Lishengsa and Abdel-Aty, Mohamed and **Zhu, Jiahao** and Zaki, Mohamed, Investigating the Effects of Human-Machine Interface on Cooperative Driving at Non-Signalized Intersection Using an Integrated Co-Simulation Platform.

Linkedin Link:

https://www.linkedin.com/in/jiahao-zhu-365131152/

Personal Website：

https://portfolio-nine-red-57.vercel.app/home

GitHub：

https://github.com/zjh6252007