

JIAHAO ZHU

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SUMMARY

A dedicated Web 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 Node.js, React, Springboot, MySQL. 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, Florida, 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 WLApliance and Appliances4LessFP.
- Developed the company's back-end warehouse management system.
- Web Link: <https://www.wlappliance.com/>

UCF Smart & Safe Transportation Lab

2021.6 – 2023.5 Orlando, Florida, USA

Research Analyst Assistant

- 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
B.S in Computer Science

2018.6 - 2022.11 Orlando, Florida, USA
Major GPA 3.5/4.0

PROJECTS

Property Management

SpringBoot,React,Redux

Property Manager can use the system to manage multiple properties. The project supports email verification code registration, uploading rental contracts, adding and deleting houses, adding and deleting tenants, and supports users to submit repair requests.

UCF-SST-CitySim-Dataset (<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/>