Jingyang Wang

Tel: 86 - 15379034512 | E-mail: JingyangWang2025@163.com

Address: Room 702, No.88 Park Road, Xigu District, Lanzhou City, Gansu Province, China, 730060

Educational Background

Double Degree Program:

Tongji University 09/2021-06/2024
Major: Automation
GPA: 4.45/5.0 (89.46/100)

University of Bologna 09/2024-06/2025
Major: Automation Engineering

Internship Experience

BMW Group Shanghai 07/2024
Position: System Engineer Intern

- Learned the core concepts, and key technologies of operating systems, including but not limited to process management, memory management, file systems, etc.
- Familiarized with BMW in-vehicle system architecture, functional modules, performance indexes, and understood its applications and advantages in intelligent driving, entertainment and connectivity, and safety control.
- Mastered the use of analytical tools such as DLTlyser and Bughunter to analyze line graphs and flame diagrams of memory usage, as well as identify and resolve performance bottlenecks or resource leakage issues.
- Followed the mentor's instructions and participated in actual road tests to learn about the road test process, data collection methods, and professional tools used, as well as carried out a comprehensive examination of the data gathered during the road test process, employing tools such as DLTlyse.

Research Experience

Research Topic: Research Work on Unmanned Logistics Vehicle Systems 02/2024
Supervisor: Zhang Changzhu, Associate Professor
Research Content: Development and use of unmanned vehicles for intelligent book delivery and return in libraries
Responsibility:

- Took charge of constructing the infrared radar scanning map to ensure that the unmanned vehicle could accurately perceive the surrounding environment and construct a high-precision map.
- Researched a variety of path planning algorithms and chose the most suitable one for simulation and testing according to the actual environment and needs of the library.
- Committed to achieving stable operation of the unmanned vehicle in a real-time environment to ensure that the unmanned vehicle can perform book delivery and return tasks normally in various environments.
- Established a real-time data transmission system between the unmanned vehicle and the cloud to achieve real-time collection, storage, and analysis of operational data.

Research Result: Successfully developed and deployed the Library Intelligent Book Delivery and Return Unmanned Vehicle System, which significantly improved the library management efficiency and service quality.

Extracurricular Activities

Hong Kong Study Tour 07/2023

- City University of Hong Kong: Participatied in the lecture ‘Skin electronics for healthcare monitoring and VR’ at the Department of Biomedical Engineering and “Humanizing AI via ChatGPT: Bridging the Last-Mile Gap Between Humans and Machines’ at the University's Department of Computer Science.
- The Chinese University of Hong Kong: Visited the Medical Mechatronics Laboratory for research, wearable ultrasound scanning technology and other scientific researches, and visited the Robotics Laboratory of the Department of Electronic Engineering.
- The Hong Kong Polytechnic University: Listened to the detailed introduction of edge computing, blockchain, multi-robots, and other cutting-edge technologies to keep up with the pulse of technological development.

“The Heart of the Native Land - A Hundred Years of FameHometown” - Historical Imprint Awareness Contest
Position: Group Leader 01/2022-03/2022

- Took charge of the overall project's planning and organization, which included identifying filming locations, formulating filming plans, and assigning tasks to team members.
- Participated in and guided the team members in the filming work as well as the post-production editing and production work, organizing the filming materials into a complete vlog.
- Created text materials about the history base of my hometown, which include historical background, people's deeds, and revolutionary spirit, to provide rich content support for the vlog.

Honors

Third Prize of Tongji University Undergraduate Outstanding Student Scholarship	12/2023
National Silver Medal of National Engineering Practice and Innovation Competition for College Students	12/2023
First place in East China of National Competition of Integrated Circuit Innovation and Entrepreneurship for Students	08/2023
Third Prize of National Competition of Integrated Circuit Innovation and Entrepreneurship for Students	08/2023
First Prize of National Engineering Practice and Innovation Competition for College Students in Shanghai	12/2022
Third Prize of Tongji University Undergraduate Outstanding Student Scholarship	12/2022

Hobbies & Skills

Hobbies: Table tennis, Running, Swimming, Fitness, Socializing
Skills: Microsoft Office (Word, Excel, PowerPoint), C/C++, Python, Verilog, Matlab