Jun You(游俊)

✉ youjun2020@mail.nwpu.edu.cn | 🌐 homepage | 📞 (+86)15860195090

Education

Northwestern Polytechnical University   September 2020 – June 2024(Expected)
B.Eng in Software Engineering   Xi'an, China
- GPA: 90.3/100, Rank 2/311(Top 1%, for now)
- Main Honors: National Scholarship 2022,2023, National Encouragement Scholarship 2021, One First Prize Scholarship & Outstanding College Student 2021,2022,2023

Experience

NPU, Unmanned System Research Institute   Xi'an, China
Research Assistant with *Dian Shao*   Apr 2023 - Aug 2023
- Working on utilizing LLMs to generate personality-based text to guide the generation of realistic facial expressions.
- The paper has been submitted to *AAAI 2024* conference.

HKUST-GZ, System Hub, Intelligent Transportation   Guangzhou, China
Research Assistant with *Jia Yan*   Oct 2023 - Present
- Researching optimization problems in partitioning Edge AI models.
- To be continued.

Project Experiences

NPU Soccerr Robot Base   one of NPU's innovation practice bases
Robocup Rescue Project   the leader of the RoboRescue Group
- **Developing intelligent agent path planning and decision-making strategies** for the simulation platform.
- Implemented **path planning and decision-making** using a combination of the Dijkstra, Astar, and Hungarian algorithms etc.
- Developed an intelligent agent **partitioning strategy based on K-means Algorithm**
- Implemented **real-time coordinated planning** for multiple agents.

National Robotics Championship   robot decision-making section
- Designing the **architecture of robot interfaces**, divided into robot control, data processing conversion, and decision-making.
- Analyze the processed scene information, **develop movement strategies** including movement speed, turning speed, actions etc.

IoT-based Network Attacks & Big Data   March 2023 - July 2023
Undergraduate Research Assistant with Prof. Farhan Ullah
- Mainly conducted research on **network traffic** analysis in IoT and **attack detection**
- Used **Spark** to process packet data, extract packet features, and utilize deep learning for **packet detection**
- Researched the **impact of different optimization** strategies on the processing speed of data by Spark

Main Awards

- The 23rd National Robotics Championship   First Prize
- The 24rd National Robotics Championship   Second Prize
- 2022 National University Student Software Test Competition   Second Prize
- 2023 Huawei Software Elite Challenge Competition   Third Prize
- China Robot and Artificial Intelligence Competition(CRAIC)   Third Prize

Skills

Programming Languages: Python, Java, HTML
Project Skills: Git, Linux, Markdown

Extracurricular Activities

- Assistant, School of Software of NPU
- Co-Founder and Leader,Volunteer Team for Epidemic Prevention and Control of the School of Software
- Leader,Rescue Simulation Team of NPU's Soccer Robot Base