Jun You(游俊)

✉ youjun2020@mail.nwpu.edu.cn | ☎ (+86)15860195090

Education

Northwestern Polytechnical University   September 2020 – June 2024(Expected)
B.Eng in Software Engineering   Xi'an, China

- GPA: 90.3/100, Rank 3/314(Top 1%, for now)
- Honor: National Scholarship 2022, National Encouragement Scholarship 2021, One First Prize Scholarship & Outstanding College Student 2021,2022
- A+ Courses: Big Data Technology, Programming Design Basic, Data Structure, Linear Algebra I , and 19 others

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 - Present
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

Work Experiences

Hwadee, Sichuan, China   December 2022 –March 2023
Big Data Engineer   Full-time

- Crawling the admission score data for Chinese universities from the college entrance examination (Gaokao) results.
- Performing preprocessing on the data, including cleaning, categorization, labeling, etc.
- Using LSTM to predict the scores of college entrance examination (Gaokao).

Award

- 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
- NPU Collegiate Programming Contest   First 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 "