Shiyao Sang

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Central China Normal University Wollongong Joint Institute
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EDUCATION

Master of Science, Computer Technology
Central China Normal University, Hubei, China   June 2022

Master of Science, Computer Science
University of Wollongong, NSW, Australia   June 2022

Bachelor of Science, Computer Science and Technology
Huaiyin Institute of Technology, Jiangsu, China   June 2018

PROFESSIONAL EXPERIENCE

Jiangsu Foreign Experts Studio, Huaian, China
China University Student Innovation and Entrepreneurship Competition   February - September 2016
- Laboratory Robot Basic Course.Learn arduino, sensors, machinery and electrical.
- Use the arduino multi-threading module to write a Bluetooth-controlled toy tank.
- The tank turret can track the target according to the improved ranging algorithm.
- https://www.youtube.com/playlist?list=PLbJlqgjriZIUm-CHBaRZZq6B4GM27uDb7

Rima First Generation Robot   October 2016 - June 2017
- Laboratory ros robot basic course.Learn ros robot and laser cutting machine, 3d printing technology.
- The rima1 robot has voice interaction and slam functions, and can transport goods between different locations.
- https://youtu.be/vQOkY9Wj8rs

Rima Second Generation Robot   January 2018 - June 2018
- Laboratory Robot Machine Learning Course.Learn machine learning, deep learning, tensorflow tutorial.
- The rima2 robot uses a hybrid system of Android and Linux. Use unity3d to enhance the robots human-computer interaction attributes. Use three-layers structure chat robot to improve robot ai.
- Rima ai uses language understanding service to identify the intention and filter entities in the commands, and uses aiml and seq2seq hybrid chat robots for voice chat.
- https://youtu.be/ccyIj09xsAY

Nanjing Jifeng Company, Huaian Microsoft Training   September - December 2017
Trainee, Huaian, China
- Learn C sharp three-layers framework development, and use design patterns in project.
- Learn the development process of actual projects and participate in the development of beetle financial software.

Labor Arbitration Commission, Jiawang District, Xuzhou City, Jiangsu Province, China   April - August 2019
Clerk, Xuzhou, China

- Responsible for recording transcripts of court proceedings and managing the case information system of Jiangsu Province.

- Arrange and maintain court network system, improve court information equipment.

- Compile the labor arbitration committee software, which can manage case records, and automatically generate mediation documents, and export and submit reports.

Starcraft 2 Experimenting with the program to play custom maps April 2019 - April 2020
Programmer, Hubei, China

- It took 6 weeks to get the py2 package to run StarCraft 2 custom maps successfully by testing and modifying some of the settings.

- This method can be used to research RTS variants of the game on the Starcraft map.

- https://youtu.be/1E4_V8r6XDc

Vison2MediaHCI Reseach Group September 2020 - Now
Member, Hubei, China

- Learn about nao robots trying to use XML as intermediate code to assist children with programming

- Learn human-computer interaction to solve scenario design based on the education robot.

WORKS AND BLOGS

Github https://github.com/fengmao31
Works https://space.bilibili.com/22443768
Blog https://www.cnblogs.com/fengmao31/
Game https://www.moddb.com/members/na1581587118

COMPUTING SKILLS

Experienced in Arduino, C Sharp, ROS Robot, AIML Chatbot. Understand RNN, DQN, Python.

MEMBERSHIPS
Member Mugenyuan Reading Club
Microsoft Student Member

HONORS
Silver Award in Pearl River Delta National University Students Computer Competition
Second Prize in China Engineering Robot Competition
Third Prize in Microsoft Imagine Cup Competition(Suzhou)
Excellence Prize Jiangsu Province Humanities Knowledge Competition

INTERESTS
game ai, history, football, handwork, painting