

Zheyi Ma

15995085680(WeChat) | estaiot_m@foxmail.com
CSDN:BlueBlueSkyZ(visits 300,000+) Github:BlueBlueSkyZZ



EDUCATION

- Tongji University** - Computer Science Master of 2019.09 - 2022.06
- Honors / Awards: The second prize of "HUAWEI Cup" China Post-Graduate Mathematical Contest in Modeling
- Hohai University** - IoT Engineering Bachelor of 2015.09 - 2019.06
- GPA: 4.71 / 5.0 (ranked 7/100)
 - Honors / Awards: National Scholarship, Academic Excellence Scholarship, Scientific and Technological Innovation Scholarship

PROFESSIONAL EXPERIENCE

- Momenta Technologies Co., Ltd.** - R&D Intern MSD 2020.06 - 2020.09
- Mainly responsible for data processing and writing online services to support other groups. Representative work:
- Dynamic analyzer framework: Factory mode is used to realize the dynamic addition of analyzers. Users can modify the configuration file and customize the analyzers to analyze and process data packets.
 - Online task processing service: Using Python task framework Celery and flask-restful, a task management platform is designed. Users can add new tasks by specifying relevant parameters through restful api and return task id (different types of tasks have different priorities). The task status can be queried by the id, and the result will be returned at the same time if it has been processed.
- Huawei Technologies Co., Ltd.** - Algorithm Intern Cloud Core Network 2018.06 - 2018.08
- Research on reinforcement learning algorithms in a turn-based game. Representative work:
- DQN game AI:
 - Project introduction: Using the DQN reinforcement learning algorithm proposed by DeepMind, the game AI is trained, and finally the AI automatically plans the path according to the rewards.
 - Personal work: Mainly responsible for the reproduction of DQN and the implements of the basic game environment.

PROJECT EXPERIENCE

- Campus Epidemic Prevention Warning Management System** - Leader 2020.02 - present
 - Project Abstract: Aimed to achieve precise epidemic prevention and control. Use the Python Django framework to design the administrator's backend logic and web page; use the WeChat applet to implement the WeChat client; connect the infrared hardware and combine with the MTCNN Tensorflow Lite model achieve real-time temperature detection on Android devices.
 - Personal work: Mainly responsible for the design and implementation of the WeChat client, desktop management client, and the model application and hardware connection of Android client.
- Intelligent Parking Identification System** - Key member 2019.05 - 2019.08
 - Project Abstract: Realized rapid identification and charging of parking users. Used the **Python Django** framework for development, and deployed the **Tensorflow** version of **Facenet** to recognize face.
 - Personal Work: Model loading optimization and hardware signal control.
- Automated WeChat Library** - Key member 2017.03 - 2017.09
 - Project Abstract: The second prize in the 6th "China Software Cup" Software Design Competition for College Students Final. Aimed to facilitate book borrowing management. WeChat client used **Weui+** to design interface, and desktop management system used the **Java Struts2** framework. The database design conformed to **BCNF**.
 - Personal Work: Developed the desktop management system, and cooperated to develop WeChat client.
- Campus Broadcast System based on Public Network Intercom** - Leader 2017.05 - 2017.08
 - Project Abstract: The second prize in the 8th Service Outsourcing Innovation and Entrepreneurship Competition Final. Implemented public network intercom. Adopted the **JSmarttalk SDK** intercom service, used the **okhttp** framework to send network requests, and used **Git** as a version control tool.
 - Personal Work: Network communication and **Android** animation design.

LEADERSHIP EXPERIENCE

- Student Science and Technology Association** - Vice-chairman 2017.09 - 2018.09
- Participated in computer basic knowledge training and software/network development technology teaching.

SKILLS, CERTIFICATIONS & OTHERS

- Skills:** Web Development(Java/Python, HTML, JavaScript), Deep Learning(CV, Reinforcement Learning, TensorFlow), Linux basic operation and maintenance
- Certifications:** NCRE Level 4
- Languages:** CET-4: 579, CET-6: 511
- Interests:** Used to record the technical problems, the current CSDN visits have reached 300,000