

Jinghui Wu

+86 183-6872-2520 | 3190103101@zju.edu.cn

EDUCATION

Zhejiang University

B.Sc in Automation, Zhejiang University

Hangzhou

Expected July 2023

- GPA: 90.92/100 4.57/5.00
- major in Automation
- minor in Mathematics and Applied Mathematics
- minor in AI+X project
- member of Chu Kouchen Honors College

EXPERIENCE

Research Intern

Data Science Group

Sep. 2021 – Present

Hangzhou

- Focusing on Data Mining and Outlier detection. Grasp the patterns of Spatiotemporal data

PROJECTS

Abnormal Behavior Detection | *Object Detection, Deep Learning, Metric Learning*

June. 2021 – May. 2022

- Outlier Detection with Metric Learning and Deep learning on energy station
- Applying Yolov5 to detect targets and construct a CNN to classify aberrant behavior
- Applying signal processing methods to handle video streaming and using PSNR value

Soft-Sensing at a Debutanizer Column | *LSTM, Time Delay, Attention Mechanism*

Nov. 2021 – Jan. 2022

- Data Preprocessing: wavelet transform, mutual information
- Model Selection: GBRT + LSTM + Attention

MiniAlphaGo for Reversi | *MCTS, RL*

Nov. 2021 – Jan. 2022

- Implementation of RL in Game Theory Field

Other Projects related

- Face Mask Detection | *Mtcnn, Mobilenet*
- Writer Style Recognition | *Self-Attention, Bi-LSTM*
- Robots in Maze | *Deep Qlearning*
- AI Intel Practice Project–Viral Posts Prediction and Number Recognition
- Some robot projects using Micro-controller like STM32, Arduino or software simulation like CoppeliaSim, Unity

SKILLS AND HOBBIES

Programming Languages: Python, C, C#, Matlab

ML and AI Models: Basic Machine Learning Algorithms, LSTM, GNN, Object Detection(Yolov5, RCNN)

Hobbies: Volleyball, Running, Detective Novels

Subjects: Data Visualization, Pattern Recognition and ML, AI algorithms and systems,...

General Topology, Optimization Algorithm, Data Structure, Operating System,...

Signal Processing, Control Theory, AI and ML, Data mining Introduction, Data-driven modelling and applications...

AWARDS

Zhejiang University First Class Scholarship| Zhejiang University

Provincial Government Scholarship| Zhejiang University

1st award in College Students Advanced Mathematics (Calculus) Competition| Zhejiang University