李卓明(Zhuoming Li)

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Education

Southeast University 2019.09 — 2022.09

Wu Jianxiong College (Honors College), Computer Sicence, Undergraduate Nanjing

- GPA：3.75/4.0
- Core courses：Discrete Mathematics, Convex Optimization; Computer Networks, Compilation Principles, Algorithms, Operating Systems; Pattern Recognition, Machine Learning
- Honorary Awards：C++ (99)、Discrete Mathematics (96)、Introduction to Artificial Intelligence (97)

Hounors

Meritorious Winner of *Interdisiplinary Contest in Modeling* in 2022（6%）

The 2nd Prize of *National College Students Computer Design Competition* in 2021（5%）

The 2nd Prize of *National Programming Competition of "LanQiao Cup"* in 2021 (3%)

Projects

Course Design Project: OpenGL Rendering of Cloth Simulation 2020.09 — 2020.10

Went Through the rendering process management via OpenGL, and simulated the physical form of cloth by Euler method.

International exchange project: Deep Reinforcement Learning Research 2021.06 — 2021.10

Under the guidance of Prof. Pietro Liò, we worked on OpenAi-Gym platform to learn Atari Game with DDQN, and classified the existing reinforcement learning multi-agent algorithms for taxi dispatching A review, submitted to AIAHPC 2022 as the first author and passed the review, and won the Excellent Camper Full Award.

SRTP Project: Lightweight Semantic Segmentation for Portrait Extraction 2021.07 — 2022.11

Step into the area of semantic segmentatio, and learnt how to make use of Pytorch. We reproduced PortraitNet , trained it, and applied to the production of ID photos, which aroused my interest to computer vision.

Student Research Training Project: VR input scheme for ear movement recognition2021.09 — 2022.11

A very interesting project that was to trace the ear movement via an endoscope inside the ear. Participated in the IEEE VR 2022 Conference as the second author, and did not pass the review.

Innovation project: Mahjong Object Detection 2022 年 1 月 — 2022 年 3 月

Served as the project team leader, and completed sample collection and dataset annotation. Full-process processing of FPN reproduction, training, network compilation and migration to the mobile terminal platform, and also have a certain understanding of the research related to target detection.

Mentor Research Group: Dynamic Network Embedding Research 2021 年 10 月 — 2022 年 6 月

Read papers in this field extensively, participated in weekly group meetings and wrote paper reading reports, reproduced classic methods such as Deepwalk, GraRep, LINE, etc., and proposed improved methods on matrix decomposition methods and submitted them to the CIKM2022 conference (CCF category B), currently under review