



EDUCATION

Shanghai Jiao Tong University 985 QS Top100 Sep 2020 - Mar 2023

Computer Science Master

GPA: 3.42 / 4.00

Shanghai Jiao Tong University QS Top100 985 Sep 2016 - Jun 2020

Computer Science Bachelor

RESEARCH EXPERIENCE

Brain-like time series algorithm Sep 2020 - Dec 2023

RL2 Lab (Prof Yue Gao)

- Propose AutoSensorNet based on combination of Hierarchical temporal memory with Reinforcement learning
- Generate saccadic movement signal on 2D images, which can be used to enhance downstream visual tasks
- did comparable work on few-shot learning tasks

Multi-graph matching Sep 2019 - Jun 2020

ThinkLab (Prof. Junchi Yan)

Shanghai

- Proposed a layered neighborhood expansion algorithm on increamental multi-graph matching tasks.
- did layerwise expansion on a super-graph with HFS and DFS.
- experiments show our approach's state-of-the-art accuracy and efficiency.

Smart text input system Sep 2017 - Sep 2018

Smart Vision Lab

- Developed a text input system on AR/VR environment
- Efficiently recognition of human gestures and movements as strokes on a CNN backbone
- Adopted OCR to translate strokes into texts.

SKILLS LIST

- **Coding:** C/C++, Python, Java
- **Machine Learning:**
 - Traditional Machine Learning: SVM, HMM, K-clustering
 - Deep Learning: LSTM, CNN(Resnet), Transformer
 - Brain-like Self Supervised Learning: HTM
- **English:** Toefl(90) CET6(513)
- **Others:** Linux, Github, Latex

PUBLICATIONS

[1] CHEN Z, XIE Z, YAN J, et al. Layered Neighborhood Expansion for Incremental Multiple Graph Matching[M/OL]//Computer Vision – ECCV 2020, Lecture Notes in Computer Science. 2020: 251-267. http://dx.doi.org/10.1007/978-3-030-58607-2_15. DOI:10.1007/978-3-030-58607-2_15.