

Pengzhan Sun

(+86) 176 1436 1725 pengzhansun6@gmail.com

EDUCATION

Third-year Undergraduate, Mathematics-Physics Fundamental Science (Artificial Intelligence Specialization), YINGCAI Honors College & School of Mathematical Sciences, University of Electronic Science and Technology of China (2018.09 – present)

- Grade: GPA: **3.92** / 4.00 (up to now)
Rank: **5** / 23
Full Grade-point Courses: **49** / 54
- Award: First-class Outstanding Student Scholarship (**2**/23)
Academic Model Scholarship
- English: CET-4: 624
IELTS: 7.0

RESEARCH EXPERIENCE

Supervisors: [Prof. Wen Li](#) & [Prof. Lixin Duan](#), [Data Intelligence Group, UESTC](#); [Principle Research Staff Member Chuang Gan](#) & [Postdoctoral Researcher Bo Wu](#), [MIT-IBM Watson AI Lab](#)

Counterfactual Debiasing Network for Compositional Action Recognition (2021.1 – 2021.4)

- **The first author**, responsible for model design, programming and paper writing, etc.
- Remove the bias while keeping effective cues in object appearance information with the help of causal graph and counterfactual thinking
- Submitted on 29th ACM International Conference on Multimedia (Under review)

Mining Potential Subject-object Pairs on Compositional Action Recognition (2020.10 - present)

- The third contributor, responsible for data processing, idea discussion and partial code implementation
- Aimed for finding a compositional representation for an action, which can be easily generalized to new subject-object interaction pairs

Data Intelligence Group, UESTC (2020.6 - present)

- Courses learning of Machine Learning (Coursera by Andrew Ng) and Computer Vision (cs231n)
- Read a wide range of papers, including but not limited to action recognition, domain adaptation and causality in vision
- Helped to review papers, including but not limited to papers from ICME, IJCAI, and ICCV
- Receive remote guidance from researchers in MIT-IBM Watson AI Lab

ADDITIONAL EXPERIENCE

An Introduction to Artificial Intelligence, UESTC, Teaching Assistant (2021.4 – 2021.6)

- Mainly responsible for course slides and projects design of Reinforcement Learning

National University of Singapore Innovation Management Visiting Training Project (2019.8)

- Completed the Innovation Management Programme from Department of Industrial Systems Engineering and Management in National University of Singapore (NUS)
- Received a recommendation letter (**top 1 team**) from iSPACE (Singapore) because of the outstanding innovation and feasibility of our One Last Mile Campus Express proposal

Psychological Growth Project in UESTC (2019 - 2021)

- Served as a psychological peer counsellor of class

OTHER SKILLS

Python, R and SQL