

Shijing Wang

Applying for a Visiting Ph.D. Student Position with External Funding (CSC Scholarship)

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RESEARCH INTEREST

Using computer vision and machine learning techniques to leverage gaze as a cue in addressing human-computer interaction problems.

- **Computer Vision:** gaze estimation, gaze following, scanpath prediction.
- **Machine Learning:** uncertainty estimation, domain generalization.

EDUCATION

Beijing Jiaotong University

Ph.D. student of Science in Computer Science and Technology

Beijing, China

Sep. 2023-Now

Supervisor: Prof. Yaping Huang

- Members of Key Laboratory of Big Data and Artificial intelligence in Transportation, affiliated with Beijing Jiaotong University and the Ministry of Education

Beijing Jiaotong University

Master student of Science in Computer Science and Technology

Beijing, China

Sep. 2021-July 2023

Supervisor: Prof. Liping Jing

- Rank top 20%, direct transfer to the Ph.D. program.
- Members of Key Laboratory of Big Data and Artificial intelligence in Transportation, affiliated with Beijing Jiaotong University and the Ministry of Education

Beijing Jiaotong University

Bachelor of Science in Computer Science and Technology

Beijing, China

Sep. 2017-July 2021

Supervisor: Prof. Liping Jing

- GPA:86.9/100 (3.69/4), Rank top 20%, direct admission to the master program.
- Relevant Courses: Calculus, Fundamentals of Computing, C, Fundamentals of Programming, Fundamentals of Financial Mathematics, Probability and Mathematical Statistics, C++

PUBLICATIONS

2 first author articles; 2 co-author articles.

[1] **Shijing Wang** and Yaping Huang*. Suppressing Uncertainty in Gaze Estimation. In Proceedings of the AAAI Conference on Artificial Intelligence 2024, volume 38, 5581-5589.

[2] **Shijing Wang** and Yaping Huang* and Jun Xie and Yi Tian and Feng Chen and Zhepeng Wang. Cross-Dataset Gaze Estimation by Evidential Inter-intra Fusion. In arXiv preprint arXiv:2409.04766v2.

[3] Xin Liu and **Shijing Wang** and Kairui Zhou and Yilin Lyu and Mingyang Song and Liping Jing* and Tiejong Zeng and Jian Yu. VMF Loss: Exploring a Scattered Intra-class Hypersphere for Few-shot Learning. In Machine Learning and Knowledge Discovery in Databases: Research Track: European Conference, ECML PKDD 2023, 454-470.

[4] Bing Liu and Pengyu Xu and Sijin Lu and **Shijing Wang** and Hongjian Sun and Liping Jing*. Sequential Tag Recommendation. In arXiv preprint arXiv:2310.05423.

INTERNSHIP EXPERIENCE

Lenovo Research

Intern of the PCIE Department

Beijing, China

Dec. 2023-July 2024

Supervisor: Jun Xie

- Conducted Gaze Estimation Research and Authored Academic Papers.
- Participated in the Ego4D-Ego-Exo4D Challenge at CVPR 2024, 'Looking at Me' Track.

REWARD

- First-Class Scholarship of Beijing Jiaotong University, 2020, 2021, 2022, 2023, 2024.
- 1st Place Winner of the 2024 Ego4D-Ego-Exo4D Challenge in the 'Looking at Me' Track at the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024.
- Outstanding Undergraduate Thesis of Beijing Jiaotong University, 2021.
- National Level for Student Innovation Training Programme, 2020.