

Chongjie Si

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Shanghai, China

EDUCATION

- **Shanghai Jiao Tong University** Sept. 2022 - Present
Ph.D, Artificial Intelligence, supervised by Prof. Wei Shen Shanghai, China
- **Southeast University** Sept. 2018 - Jun. 2022
BSc, Chien-Shiung Wu College, Artificial Intelligence, rank 1/22, GPA 3.84/4.00 Nanjing, China

PUBLICATIONS

P = PREPRINT, C = CONFERENCE, J = JOURNAL

Book

- 2025, Wei Shen, **Chongjie Si**, Chen Yang, Yong Yu. *Hands on Computer Vision*. Posts & Telecoms Press.

Journal or Conference

- [P] 2025. **Chongjie Si**, Zhiyi Shi, Xuehui Wang, Yichen Xiao, Xiaokang Yang, Wei Shen. **Generalized Tensor-based Parameter-Efficient Fine-Tuning via Lie Group Transformations**.
- [P] 2025. **Chongjie Si**, Zhiyi Shi, Xiaokang Yang, Susanto Rahardja, Hanspeter Pfister, Wei Shen. **MAP: Direction-Magnitude Decoupling for Low-Rank Adaptation**.
- [P] 2025. **Chongjie Si**, Jingjing Jiang, Xiaokang Yang, Wei Shen. **Unveiling the Mystery of Weight in Large Foundation Models: Gaussian Distribution Never Fades**.
- [P] 2025. **Chongjie Si***, Yidan Cui*, Fuchao Yang, Xiaokang Yang, Wei Shen. **Why Can Accurate Models Be Learned from Inaccurate Annotations?**
- [P] 2025. **Chongjie Si***, Yidan Cui*, Fuchao Yang, Xiaokang Yang, Wei Shen. **Revisiting Sparsity Constraint Under High-Rank Property in Partial Multi-Label Learning**.
- [C] 2025, ICLR. **Chongjie Si***, Zhiyi Shi*, Shifan Zhang, Xiaokang Yang, Hanspeter Pfister, Wei Shen. **Unleashing the Power of Task-Specific Directions in Parameter Efficient Fine-tuning**.
- [C] 2025, ICLR. **Chongjie Si***, Xuehui Wang*, Xue Yang, Zhengqin Xu, Qingyun Li, Jifeng Dai, Yu Qiao, Xiaokang Yang, Wei Shen. **Maintaining Structural Integrity in Parameter Spaces for Parameter Efficient Fine-tuning**.
- [P] 2024. **Chongjie Si**, Xiaokang Yang, Wei Shen. **See Further for Parameter Efficient Fine-tuning by Standing on the Shoulders of Decomposition**.
- [P] 2024. **Chongjie Si**, Xuehui Wang, Yan Wang, Xiaokang Yang, Wei Shen. **Appeal: Allow Mislabelled Samples the Chance to be Rectified in Partial Label Learning**.
- [C] 2024, ECCV. **Chongjie Si**, Xuehui Wang, Xiaokang Yang, Wei Shen. **Tendency-driven Mutual Exclusivity for Weakly Supervised Incremental Semantic Segmentation**
- [C] 2024, AAAI, **Oral**. **Chongjie Si**, Zekun Jiang, Xuehui Wang, Yan Wang, Xiaokang Yang, Wei Shen. **Partial Label Learning with a Partner**.
- [J] 2023, TKDE. **Chongjie Si**, Yuheng Jia, Ran Wang, Min-Ling Zhang, Yanghe Feng, Chongxiao Qu. **Multi-label Classification with High-rank and High-order Label Correlations**.
- [C] 2023, KDD, **Oral**. **Chongjie Si***, Yuheng Jia*, Min-ling Zhang. **Complementary Classifier Induced Partial Label Learning**.

PROJECTS

- **Subspace Tuning** 
A generalized framework for subspace tuning methods in parameter efficient fine-tuning.

HONORS AND AWARDS

- **Doctoral National Scholarship (Top 1%)** Oct. 2024
Chinese Ministry of Education
- **Outstanding Graduate Student** Jun. 2022
Southeast University
- **ICM Finalist** Apr. 2020
COMAP
- **National Scholarship (Top 1%)** Oct. 2019
Chinese Ministry of Education
- **Model of Merit Student (Top 1%)** Oct. 2019 & 2020
Southeast University