Chongjie Si

Email | Github | Google Scholar | Homepage
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 — 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**, Xuankun Yang, Muqing Liu, Yadao Wang, Xiaokang Yang, Wenbo Su, Bo Zheng, Wei Shen. **Weight Spectra Induced Efficient Model Adaptation.**

[P] 2025. **Chongjie Si**, Kangtao Lv, Jingjing Jiang, Yadao Wang, Yongwei Wang, Xiaokang Yang, Wenbo Su, Bo Zheng, Wei Shen. **NAN: A Training-Free Solution to Coefficient Estimation in Model Merging.**

[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, Yadao Wang, Susanto Rahardja, Hanspeter Pfister, Wei Shen. **MAP: Revisiting Weight Decomposition 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 Mislabeled 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**.

Work Experience

- **Alibaba Group[🌐]** — *Mar. 2025 - Jun. 2025*
  Research Intern — Hangzhou, China
  - LLM post-training.
  - Investigated efficient training strategies from the perspective of fully fine-tuning.
  - Explored model merging techniques to enhance the capabilities of foundation models without additional training.
  - Two research papers.

Projects

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

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

Skills

- **Programming Languages:** Python, MATLAB, C++
- **Software & Tools:** PyTorch, OpenCV, LaTeX, PyQt5