

Yuecheng Li

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Education

- 2022 – Present 📖 **M.Eng. Computer Technology, Sun Yat-sen University (SYSU, Project 985), China.**
Honor: First Prize Scholarship, One-Star Volunteer, Postgraduate Exempt from Exam.
- 2018 – 2022 📖 **B.Sc. Computational Mathematics, Sun Yat-sen University, China.**
Honor: Second Prize Scholarship, Outstanding Branch Secretary of Youth League.
Thesis: The Research on Community Detection Algorithm based on Contrastive Learning.

Work Experience

- 2024.12 – 2025.03 📖 **Game Application and Platform Development Division, Netease.**
Summary: Conduct AI algorithm-related research work around various advertising and marketing platforms managed by the team (including the **game video creator incentive platform**, the **intelligent ad creative production platform**, and the **automated ad placement platform**).
- 2024.06 – 2024.09 📖 **Tongyi Algorithm & Product Security team, Alibaba Cloud.**
Summary: Safety benchmark for Qwen, **QAs on Safety evaluations**, **Safe corpus generation**, and Safety alignment of LLM.

Research Publications

Conference Proceedings



- 1 **Yuecheng Li**, J. Chen, C. Chen, L. Yang, and Z. Zheng, “**Contrastive Deep Nonnegative Matrix Factorization for Community Detection**,” in *ICASSP 2024-2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, **Accepted by ICASSP2024 (CCF B)** [paper] [code].
- 2 **Yuecheng Li**, Y. Hu, L. Fu, C. Chen, L. Yang, and Z. Zheng, “**Community-Aware Efficient Graph Contrastive Learning via Personalized Self-Training**,” in *arXiv preprint arXiv:2311.11073*, 2023, Under Review [paper].
- 3 **Yuecheng Li**, T. Wang, C. Chen, *et al.*, “**Clients Collaborate: Flexible Differentially Private Federated Learning with Guaranteed Improvement of Utility-Privacy Trade-off**,” in *arXiv preprint arXiv:2402.07002*, 2024, Under Review [paper].

Journal Articles








- 1 L. Fu, S. Huang, **Yuecheng Li**, C. Chen, C. Zhang, and Z. Zheng, “**Learning the Global Prompt in the Low-rank Tensor Space for Heterogeneous Federated Learning**,” *Neural Networks*, 2025, **Accepted by Neural Networks (CCF B, CORE A)** [paper].
- 2 L. Fu, **Yuecheng Li**, S. Huang, C. Chen, C. Zhang, and Z. Zheng, “**Parameter-oriented Contrastive Schema and Multi-level Knowledge Distillation for Heterogeneous Federated Learning**,” *Information Fusion*, 2025, **Accepted by Information Fusion (CCF B)** [paper].

- 3 C. Chen, **Yuecheng Li** (first author in students), Z. Wu, *et al.*, “**Privacy Computing Meets Metaverse: Necessity, Taxonomy and Challenges**,” *Ad Hoc Networks*, 2024, **Accepted by Ad Hoc Networks (CCF C)** [[paper](#)] [[code](#)].
- 4 J. Chen, B. Deng, **Yuecheng Li**, C. Chen, and Z. Zheng, “**Adaptable Node Alignment for Relieving Distribution Shift on Graphs**,” 2024, Submitted to **IEEE Transactions on Knowledge and Data Engineering (TKDE)**, Under Review.
- 5 S. Huang, L. Fu, **Yuecheng Li**, C. Chen, Z. Zheng, and H.-N. Dai, “**A Cross-client Coordinator in Federated Learning Framework for Conquering Heterogeneity**,” *IEEE Transactions on Neural Networks and Learning Systems*, 2024, **Accepted by TNNLS (CCF B, CORE A*)** [[paper](#)].
- 6 Z. Wu, **Yuecheng Li**, T. Liao, J. Lou, C. Chen, and Z. Zheng, “**Two Guards Need Divide and Conquer: Parallel Hybrid Protection for Privacy-preserved Federated Learning**,” 2024, Submitted to **IEEE Transactions on Information Forensics and Security (TIFS)**, Under Review.


R&D Projects

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| 2023 |  Key Researcher of Algorithm , responsible for multimodal data mining involving text and tables, as well as the optimization of transformer and time series models (Merchants Union Consumer Finance Company Limited: Horizontal Project). |
| 2022 - 2023 |  Key Developer of System , responsible for the development of federated smart contracts based on Golang and the research on incentive mechanism design for federated learning (Open Fund: The Research on Federated Learning based on Blockchain). |


Awards and Achievements

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| 2025 |  Excellence Award , Information Hub × Greater Bay Area CS Institutes Joint Postgraduate Academic Poster Competition 2025
Organizers: Information Hub, HKUST(GZ). |
| 2024 |  First Prize (Top 1, Core Member) , SecretFlow Cup: National College Privacy Computing Competition [link]
Organizers: Ant Group SecretFlow Open Source Community, Zhejiang University.
 Excellence Award (Top 4, Team Leader) , AI Agent Debate Competition
Organizers: Alibaba Cloud, Tongyi Lab |
| 2023 |  Runner-up (Solo) , AFAC2023 Fintech AI Challenge: Fund Trend Simulation Prediction Contest [link]
Organizers: CCF, Ant Group.
 Excellence Award (Top 6, Solo) , ICDM 2023 TuGraph Competition: Pretrained Model-based Community Detection and Fraudulent Group Mining
Organizers: ICDM2023, Ant Group, Zhejiang University. |
| 2019 & 2020 |  Second Prize , The 11th&12th National College Student Mathematics Competition (Mathematics A Category)
Organizers: Chinese Mathematical Society. |
| 2019 |  Second Prize (Leader) , The Guangdong Provincial Competition of the 2019 Contemporary Undergraduate Mathematical Contest in Modeling
Organizers: China Society for Industrial and Applied Mathematics. |



Invited Talk

- 2023  Inviter: **Shenzhen Transsion Holdings Co., Ltd.**
Title: **When Federated Learning Meets Differential Privacy.**




Patent

- 2023  **Community Detection Method, Apparatus, Computer Device, and Storage Medium** (Publication No. CN116383441A, Initiative for Examination as to Substance).




Related Courses

- Graduate Course  Data Privacy Protection and Secure Computing (94/100), Professional Practice (99/100), Machine Learning (92/100), Multimedia Content Security (92/100), Frontier and Practice of Engineering Technology (99/100).
- Undergraduate Course  Mathematical Analysis (93/100), Mathematical Statistics (95/100), Stochastic Processes (96/100), Optimization Methods (95/100), Applications of Matlab (100/100), Digital Signal Processing (100/100).

Skills

- Languages**  Strong English reading, writing, and speaking abilities (CET-6).
- Coding & Typesetting**  Python, Matlab, \LaTeX , ...
- ML Frameworks**  LightGBM, PyTorch, PyTorch Geometric, DGL, Opacus, Unsloth, and vLLM, ...

Service

- 2022 - Present  **Reviewer:** CIKM2024, KDD 2024, IEEE Internet of Things Journal, TIFS.
- 2022 - 2023  **Teaching Assistant:** Linear Algebra and Analytic Geometry (SYSU).
- 2019 - 2020  **Branch Secretary of the Youth League:** Class 1, Mathematics Major, SYSU (Zhuhai).

References

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| Prof. Chuan Chen
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