

# Jian Tang

+86-155-7343-4600 | [kt4ngw@gmail.com](mailto:kt4ngw@gmail.com) |  Google Scholar |  [kt4ngw](#)

PhD Student, School of Computing Technologies, RMIT University, VIC 3000, Australia

## CURRENT RESEARCH INTERESTS

---

- Distributed Model Training / Federated Learning
- Secure, Robust and Generative AI
- Edge Intelligence
- Inference and Training of Large Language Models in Mobile Edge Computing Networks

## EDUCATION

---

- **School of Computing Technologies, RMIT University** Mar. 2026 - Present  
*PhD Student in Computer Science, Supervised by Dr. Xiaoyu Xia (Senior) and Dr. Jer Shyuan Ng (Associate)* Melbourne, Australia
- **School of Big Data & Software Engineering, Chongqing University** Sep. 2022 - Jun. 2025  
*M.Eng in Software Engineering, Supervised by Prof. Xiuhua Li* Chongqing, China
- **School of Mathematics & Statistics, Hunan University of Technology and Business** Sep. 2018 - Jun. 2022  
*B.S. in Data Science and Big Data Technology, Outstanding Undergraduate* Changsha, China

## PUBLICATIONS († CO-FIRST AUTHOR \* CORRESPONDING AUTHOR)

C=CONFERENCE, J=JOURNAL, S=IN SUBMISSION

- [J.1] **Jian Tang**, Xiuhua Li, Hui Li, Penghua Li, Xiaofei Wang, and Victor C. M. Leung, "Joint Class-Balanced Client Selection and Bandwidth Allocation for Cost-Efficient Federated Learning in Mobile Edge Computing Networks", *IEEE Transactions on Mobile Computing (IEEE TMC)*, vol. 24, no. 7, pp. 5681-5698, Jul. 2025. Link: [\[Paper\]](#) [\[Code\]](#)
- [J.2] **Jian Tang**, Xiuhua Li, Guozeng Xu, Penghua Li, Xiaofei Wang, and Victor C. M. Leung, "Group-based Federated Learning with Cost-efficient Sampling Mechanism in Mobile Edge Computing Networks", *IEEE Transactions on Mobile Computing (IEEE TMC)*, vol. 25, no. 2, pp. 2202-2219, Feb. 2025. Link: [\[Paper\]](#) [\[Code\]](#)
- [C.1] **Jian Tang**, Xiuhua Li, Hui Li, Min Xiong, Xiaofei Wang, and Victor C. M. Leung, "Energy-Efficient Client Sampling for Federated Learning in Heterogeneous Mobile Edge Computing Networks", *IEEE International Conference on Communications (IEEE ICC)*, Jun. 2024. Link: [\[Paper\]](#) [\[Code\]](#)
- [S.1] **Jian Tang**<sup>†</sup>, Luxi Cheng<sup>†</sup>, Xiuhua Li, Xiaofei Wang, Derrick Wing Kwan Ng, and Victor C. M. Leung, "Accelerating Federated Learning with Client Dropout via Joint Bandwidth Allocation and Prototype Fine-Tuning in Mobile Edge Computing Networks", *IEEE Transactions on Mobile Computing (IEEE TMC)*, **Under Revision**, 2025. Link: [\[Code\]](#)

## SELECTED HONORS & AWARDS

---

- **Class A Scholarship** for Postgraduates of Chongqing University, 2023 and 2024, respectively.
- **Third Prize** of National Graduate Student Mathematical Contest in Modeling, China, 2023
- **Second Prize** of National Undergraduate Mathematical Contest in Modeling, China, 2022.
- **First Prize** in the Hunan Provincial Undergraduate Mathematical Contest in Modeling, Hunan, China, 2022.
- **Outstanding** Provincial Undergraduate Graduates, Hunan, China, 2022.

## LANGUAGE & SKILLS

---

- **Language** English (IELTS 7.0: L7.0/R8.0/W6.0/S6.0), Chinese Mandarin (Mother tongue)
- **Programming** Python, Linux, SQL Server, MATLAB, Git, Latex, etc.
- **Arithmetic** Common machine/deep learning models such as DNN, CNN, RNN, GAN, and Transformer;
- **Framework** Sklearn, PyTorch, etc.

## REPORT & SERVICE

---

- **Report**
  - Report (Online) in IEEE ICC 2024, Denver, CO, USA.
- **Service**
  - Reviewer for IEEE TDSC.

## MEMBERSHIP

---

- IEEE Student Member