

Yuting Zhang (张雨婷)

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EDUCATION

Hong Kong University of Science and Technology (Guangzhou)

Ph.D. of Data Science and Analytics

Sep.2024 - Jun.2027 (expected)

- **Research interests:** MLLM, Agent, AI4healthcare
- **Advisor:** [Kaishun Wu](#)

Tianjin University

Master of Information and Communication Engineering

Sep.2021 - Jan.2024

- **Research interests:** rPPG, Facial Analysis, Remote physiological estimation
- **Advisor:** [Xin Liu](#)
- **Main Courses:** Applied Statistics, Optimization Methods, Digital Image Processing
- **Honor:** Tianjin University Second-Class Academic Scholarship

Tianjin University

Bachelor of Communication Engineering (Major)/Chinese Language and Literature (Minor)

Sep.2017 - Jun.2021

- **Main Courses:** Field Theory and Complex Functions, Numerical Computation Methods, Probability Theory and Mathematical Statistics, Principles of Communications, Advanced Mathematics

PUBLICATIONS

- X. Liu*, **Y. Zhang***, Z. Yu, H. Lu, et al., "rPPG-MAE: Self-supervised Pre-training with Masked Autoencoders for Remote Physiological Measurement", **IEEE Transactions on Multimedia (TMM, IF=9.7)**, 2023. [\[Link\]](#)
- **Y. Zhang**, H. Lu, X. Liu, Y. Chen, K. Wu, "Advancing Generalizable Remote Physiological Measurement through the Integration of Explicit and Implicit Prior Knowledge", **IEEE Transactions on Image Processing (TIP, IF=13.7)**, 2024. [\[Link\]](#)
- **Y. Zhang**, H. Lu, Q. Hu, Y. Wang...K.Wu., "Period-LLM: Extending the Periodic Capability of Multimodal Large Language Model", **Computer Vision and Pattern Recognition (CVPR)**, 2025. [\[Link\]](#)
- **Y. Zhang**, K. Yuan, H. Lu...K.Wu., "MedTVT-R1: A Multimodal LLM Empowering Medical Reasoning and Diagnosis", **Computer Vision and Pattern Recognition (CVPR)**, 2026. [\[Link\]](#)
- H. Lu*, **Y. Zhang***, J. Tang, B. Fu, et al., "RhythmGaussian: Repurposing Generalizable Gaussian Model For Remote Physiological Measurement", **International Conference on Computer Vision (ICCV)**, 2025. [\[Link\]](#)
- K. Yuan*, **Y. Zhang***, S. Gao, Y. Zhu, et al., "CoEmoGen: Towards Semantically-Coherent and Scalable Emotional Image Content Generation", **International Conference on Learning Representations(ICLR)**, 2026. [\[Link\]](#)
- H. Lu, X. Niu, J. Wang, ..., **Y. Zhang**, et al., "GPT as Psychologist? Preliminary Evaluations for GPT-4V on Visual Affective Computing", **Computer Vision and Pattern Recognition Workshop (CVPRW)**, 2024. [\[Link\]](#)

INTERNSHIP EXPERIENCE

Tencent Wechat Vision

December 2025 – February 2026

- Designed and developed a **model-routing agent for referring data generation**, building an end-to-end pipeline over CC3M that generates referring text, invokes **SAM3 Agent/Rex-Omni/Qwen3-VL** for multi-model bounding box prediction, and performs rule-based fusion, LLM-based quality filtering, and final **model-choice labeling** to produce high-quality supervision for routing decisions. Supported processing and quality control for **2.9M referring samples**, with multi-machine inference, and training integration. Mentor: [Chong Sun](#)

University of California, Los Angeles (UCLA)

February 2026 - Present

- Healthcare Time series Agent. Advisor: [Yuzhe Yang](#)

SKILLS

- **Programming skills:** Python, Pytorch, Matlab, LaTeX, Markdown
- **Computer skills:** Proficient in Office software, familiar with basic Linux operations
- **Language proficiency:** English (IELTS 6.5)