Qing Jiang

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ShenZhen, China

Education

- **South China University of Technology** *B.S. 2018 Sep. – 2022 Jun, Ph.D 2022 Sep. – present*
  Ph.D. Candidate; B.S. in Computer Science Guangzhou, China
  - Ph.D. Supervisor: Prof. Lei Zhang
  - Research fields: Computer Vision, Open-set Object Detection, MLLMs.
  - B.S. GPA: 3.91 / 4.00

Internships

- **International Digital Economy Academy (IDEA)** *2023 Jun. – Present*
  Research Intern Shenzhen, China
  - Advisor: Prof. Lei Zhang
  - Research Topics: Open-set Object Detection, MLLMs.
- **Shanghai AI Lab** *2022 Feb. – 2022 Aug.*
  Research Intern, MMOCR Group Shanghai, China
  - Topics: OCR; Contributions to open-source project MMOCR.

Publications

- **Detect Anything via Next Point Prediction** *2025 Oct. arXiv 2025* 723
  ***Qing Jiang**, Junan Huo, Xingyu Chen, Yuda Xiong, Zhaoyang Zeng Lei Zhang et al.*
  - Introducing Rex-Omni, a 3B-scale MLLM that defines the next generation of object detection model.
- **Rex-Thinker: Grounded Object Referring via Chain-of-Thought Reasoning** *2025 Jun. arXiv 2025* 127
  ***Qing Jiang**, Xingyu Chen, Junzhi Yu, Lei Zhang*
  - Developed Rex-Thinker, a novel REC model that employs CoT for verifiable and trustworthy visual grounding.
- **Referring to Any Person** *2025 Mar. ICCV 2025* 172
  ***Qing Jiang**, Lin Wu, Zhaoyang Zeng, Tianhe Ren, Yuda Xiong, Lei Zhang et al.*
  - Introduced HumanRef and RexSeek, a novel dataset and MLLM for the practical task of referring to any person.
- **ChatRex: Taming Multimodal LLM for Joint Perception and Understanding** *2024 Nov. arXiv 2024* 206
  ***Qing Jiang**, Gen Luo, Yuqin Yang, Yuda Xiong, Yihao Chen, Lei Zhang et al.*
  - Developed ChatRex, an MLLM with decoupled design, achieving superior understanding and perception.
- **DINO-X: Unified Model for Open-World Object Detection and Understanding** *2024 Nov. arXiv 2024* 1.3K
  Tianhe Ren, Yihao Chen*, **Qing Jiang***, Zhaoyang Zeng*, Lei Zhang et al.*
  - A unified object-centric model with best open-world detection performance, enabled by a 100M-scale data.
- **Grounding DINO 1.5: Advance the "Edge" of Open-Set Object Detection** *2024 May. arXiv 2024* 1.1K
  Tianhe Ren, **Qing Jiang***, Shilong Liu*, Zhaoyang Zeng*, Lei Zhang et al.*
  - Model suite setting new SOTA for high-performance and edge-efficient open-set object detection.
- **T-Rex2: Towards Generic Object Detection via Text-Visual Prompt Synergy** *2024 Mar. ECCV 2024* 2.6K
  ***Qing Jiang**, Feng Li, Zhaoyang Zeng, Tianhe Ren, Shilong Liu, Lei Zhang et al.*
  - A practical open-set object detection model synergizing text and visual prompts for superior zero-shot performance.
- **Visual In-Context Prompting** *2023 Nov. CVPR 2024* 512
  *Feng Li, **Qing Jiang**, Hao Zhang, Tianhe Ren, Jianfeng Gao et al.*
  - A universal visual in-context prompting framework for open-set segmentation and detection.
- **T-Rex: Counting by Visual Prompting** *2023 Nov. arXiv 2023* 2.6K
  ***Qing Jiang**, Feng Li, Tianhe Ren, Shilong Liu, Lei Zhang et al.*
  - An interactive object counting model using visual prompts to first detect, then count, any user-specified objects.