Yang Yang

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EDUCATION

- **The Australian National University (ANU)** — Canberra, Australia
  Doctor of Philosophy, Engineering and Computer Science, supervised by A/Prof. Liang Zheng — *May 2022 - Present*

- **Huazhong University of Science and Technology (HUST)** — Wuhan, China
  Bachelors of Electronic Information Engineering   GPA: 3.7 / 4.0 — *Sep 2017 – Jun 2021*

RESEARCH INTERESTS

- **MultiModal Video Content Understanding** | **Video Foundation Models** | **Model Generalization**

PUBLICATIONS

- **Evaluating and Advancing Multimodal Large Language Models in Ability Lens** ⎋
  *Feng Chen, Chenhui Gou, Jing Liu, **Yang Yang**, Zhaoyang Li, Jiyuan Zhang, Zhenbang Sun, Bohan Zhuang, Qi Wu.*

- **Bounding Box Stability against Feature Dropout Reflects Detector Generalization across Environments** ⎋
  ***Yang Yang**, Wenhai Wang, Zhe Chen, Jifeng Dai, Liang Zheng.* — *ICLR 2024 (**Spotlight**)*

- **CIFAR-10-Warehouse: Broad and More Realistic Testbeds in Model Generalization Analysis** ⎋
  Xiaoxiao Sun, Xingjian Leng*, Zijian Wang*, **Yang Yang***, Zi Huang*, Liang Zheng.* — *ICLR 2024 (Poster)*

- **Internchat: Solving vision-centric tasks by interacting with chatbots beyond language** ⎋
  Internchat Team, Shanghai AI Laboratory. — *Technical Report 2023*

- **Does Keypoint Estimation Benefit Object Detection? Empirical Study of One and Two-stage Detectors** ⎋
  ***Yang Yang**, Akshay Asthana, and Liang Zheng.* — *FG 2021 (**Oral**)*

EXPERIENCES

- **Data Trust and Safety Group of TikTok** — Sydney, Australia
  Research Intern, mentored by Jiyuan Zhang — *Jul 2024 - Feb 2025*
  - Designed **Video-Ruler**, the first long-text and short-video understanding benchmark, enabling a Video Assistant Referee system for automated basketball violation detection (project in progress).
  - Experienced in training video large multimodal models and well-versed in RAG and CoT reasoning.

- **Shanghai AI Laboratory** — Shanghai, China
  Research Intern, mentored by Dr. Wenhai Wang — *Feb 2022 - Nov 2023*

- **Urban Computing Group of Sensetime Co., LTD.** — Beijing, China
  Research Intern, mentored by Bo Li — *Apr 2021 - Feb 2022*

- **The Australian National University** — Remotely
  Research Assistant, supervised by A/Prof. Liang Zheng — *Sep 2020- Apr 2021*

- **Chinese University of Hong Kong & SmartMore Co., LTD.** — Shenzhen, China
  Research Intern, supervised by Dr. Shu Liu and Prof. Jiaya Jia — *Jun 2020 - Sep 2020*

- **Media and Communications Laboratory, HUST** — Wuhan, China
  Research Assistant, supervised by Prof. Xinggang Wang — *Jun 2019 - Sep 2019*

ACADEMIC SERVICE

- **Reviewer for conferences:** CVPR 2022, ICCV 2023, CVPR 2023, NeurIPS 2024, CVPR 2024
- **Organizer for workshops and challenges:** The 2nd and 3rd CVPR Workshop on Vision Datasets Understanding, The 1st and 2nd DataCV Challenge @ CVPR ⎋

SELECTED AWARDS

- 2022 - 2026 ANU Postgraduate Research Scholarship & HDR Fee Remission Merit Scholarship

PROGRAMMING SKILLS

- **Programming Languages:** Python, C, Java, LaTeX, Unix Shell Scripts
- **Machine Learning Libraries:** PyTorch, Tensorflow, Mxnet