Xinyu **Yang**

Carnegie Mellon University

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Education

Carnegie Mellon University   *Pittsburgh, US*
Ph.D. student in Electrical and Computer Engineering   *Aug. 2023 - Present*

Shanghai Jiao Tong University   *Shanghai, China*
Bachelor of Engineering in Computer Science, ACM Honors Class   *Sept. 2019 - Jun. 2023*

- **ACM Honors Class** is an elite CS program for students ranked in the top 5% with aspirations in research.
- Overall GPA: **91.26 / 100**, Ranking: **1 / 29**

Publications

* indicates equal contributions

Improving Out-of-Domain Generalization with Domain Relations   *ICLR 2024 (Spotlight)*

Huaxiu Yao, **Xinyu Yang***, Xinyi Pan, Shengchao Liu, Pang Wei Koh and Chelsea Finn*

Multi-domain Long-Tailed Learning By Augmenting Disentangled Representations   *TMLR*

Xinyu Yang*, *Huaxiu Yao*, Allan Zhou and Chelsea Finn*

FlatFormer: Flattened Window Attention for Efficient Point Cloud Transformer   *CVPR 2023*

Zhijian Liu, **Xinyu Yang***, Haotian Tang, Shang Yang and Song Han*

BEVFusion: Multi-Task Multi-Sensor Fusion with Unified Bird's-Eye View Representation   *ICRA 2023*

Zhijian Liu, Haotian Tang*, Alexander Amini, **Xinyu Yang**, Huizi Mao, Daniela Rus and Song Han*

Variational Inference for Training Graph Neural Networks in Low-Data Regime through Joint Structure-Label Estimation   *KDD 2022*

Danning Lao, **Xinyu Yang***, Qitian Wu and Junchi Yan*

Get More with LESS: Synthesizing Recurrence with KV Cache Compression for Efficient LLM Inference   *Preprint*

*Harry Dong, **Xinyu Yang**, Zhenyu Zhang, Zhangyang Wang, Yuejie Chi, Beidi Chen*

Holistic analysis of hallucination in gpt-4v (ision): Bias and interference challenges   *Preprint*

*Chenhang Cui, Yiyang Zhou, **Xinyu Yang**, Shirley Wu, Linjun Zhang, James Zou, Huaxiu Yao*

Honors & Awards

Best Bachelor Thesis **(Top 1%, Shanghai Jiao Tong University)**   *2023*
National Scholarship of P.R. China **(Top 0.2%, nationwide)**   *2021, 2022*
SenseTime Scholarship **(Top 30 undergraduate in the field of AI, nationwide)**   *2021*
Zhiyuan Scholarship **(35 winners each year, Shanghai Jiao Tong University)**   *2023*
Han-Ying-Ju-Hua Scholarship **(15 winners each year, Shanghai Jiao Tong University)**   *2021*
Fan Hsu-Chi Scholarship **(10 winners each year, Shanghai Jiao Tong University)**   *2020*
Academic Excellence Scholarship **(Top 5%, Shanghai Jiao Tong University)**   *2020, 2021, 2022*
Zhiyuan Honorary Scholarship   *2019, 2020, 2021*

Teaching Experience

Teaching Assistant   *Compiler Design and Implementation*   *Fall 2021*
Teaching Assistant   *Principle and Practice of Computer Algorithms*   *Summer 2021*
Teaching Assistant   *Data Structures*   *Spring 2021*

Skills

Programming   *Python, C++, JAVA, Golang, Verilog*
Tools and Frameworks   *Git, PyTorch, TensorFlow, Docker, Vivado, Markdown, LaTeX*
Languages   *Mandarin (native), English (TOEFL: 109)*