Jingyi PAN

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Education

Hong Kong University of Science and Technology (Guangzhou) Sep. 2024 – Present
· PhD Candidate in Data Science and Analysis
· Primary supervisor: Prof. Qiong Luo; Co-supervisors: Prof. Xiaowen Chu, Prof. Dan Xu

Hong Kong University of Science and Technology (Guangzhou) Sep. 2022 – Oct. 2024
· MPhil in Artificial Intelligence
· Primary supervisor: Prof. Lin Wang; Co-supervisor: Prof. Hao Liu

Huazhong University of Science and Technology Sep. 2018 – Jun. 2022
· B.Eng. in Automation

Publications

- **Jingyi Pan**, Dan Xu, Qiong Luo. Pose-Free Feed-Forward 3D Inpainting via Learnable Mask Attention and Support Token Refinement. NeurIPS 2026 Accepted.
- **Jingyi Pan**, Dan Xu, Qiong Luo. DiGA3D: Coarse-to-Fine Diffusional Propagation of Geometry and Appearance for Versatile 3D Inpainting. Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV). 2025: 16345-16355.
- **Jingyi Pan**, Zipeng Wang, Lin Wang. Co-Occ: Coupling Explicit Feature Fusion with Volume Rendering Regularization for Multi-Modal 3D Semantic Occupancy Prediction. IEEE Robotics and Automation Letters, v. 9, (6), June 2024, article number 10517470, p. 5687-5694.
- **Jingyi Pan**, Sihang Li, Yucheng Chen, Jinjing Zhu, Lin Wang. Towards Dynamic and Small Objects Refinement for Unsupervised Domain Adaptative Nighttime Semantic Segmentation. In 2024 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).
- **Jingyi Pan**, Zeyu Duan, Jianghua Duan, Zhe Wang. LUIE: Learnable physical model-guided underwater image enhancement with bi-directional unsupervised domain adaptation. Neurocomputing, v. 602, October 2024, article number 128286.
- Shihong Zhang, **Jingyi Pan**, et al. Evaluating Rooftop PV's Impact on Power Supply-Demand Discrepancies in Grid Decarbonization. Nexus.

Research Experience and Internship

Research Assistant May. 2023 - Aug. 2023
HKUST Clear Water Bay, Hong Kong

- Supervisor: Prof. Zhe WANG
- Worked on the underwater robotics project.
- Focused on improving the quality of underwater images for downstream tasks, such as underwater SLAM.

Achievements

Outstanding Graduate HUST, 2022
Honorable Mention in Mathematical Contest In Modeling COMAP, 2021
First Prize in The 15th National University Students Intelligent Car Race CAA, 2020
Scholarship of Academic Progress HUST, 2019
Level 3 of Network Technology NCRE, 2019

Skills

Languages: C, Python, Matlab

Technologies: Linux, Shell (Bash/Zsh), LaTeX(Overleaf/Markdown), Microsoft Office, Git, Photoshop, Premiere