Zhaoying Pan

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Education

Purdue University — West Lafayette, USA
Doctor of Philosophy in Electrical and Computer Engineering — *Aug. 2023 - present*

- Advisor: Prof. Joy Wang

University of Michigan — Ann Arbor, USA
Master of Science in Electrical and Computer Engineering — *Sept. 2021 - May. 2023*

- GPA: 4.0/4.0, Specialization: Computer Vision
- Advisor: Prof. Andrew Owens

University of Chinese Academy of Sciences — Beijing, China
Bachelor of Engineering in Electronic and Information Engineering — *Sept. 2017 - Jun. 2021*

- GPA: 3.59/4.0
- Advisor: Prof. Xian Sun, Prof. Kun Fu

Publication

- **Zhaoying Pan***, Daniel Geng*, Andrew Owens "Self-Supervised Lagrangian Motion Magnification",(* equal contribution) The Conference on Neural Information Processing Systems (NeurIPS), 2023.
- **Zhaoying Pan***, Yutong Xie*, Jinge Ma*, Luo Jie, Qiaozhu Mei. "A Prompt Log Analysis of Text-to-Image Generation Systems" (* equal contribution), Proceedings of the ACM Web Conference (Track: Creative Web), 2023.
- Zhiqiang Yuan, Wenkai Zhang, Chongyang Li, **Zhaoying Pan**, Jialiang Chen, Yongqiang Mao, Shuoke Li, Hongqi Li, Xian Sun."Learning to Evaluate Performance of Multi-modal Semantic Localization." IEEE Transactions on Geoscience and Remote Sensing, 2022.
- Jinzhe Liu, Zhiqiang Yuan, **Zhaoying Pan**, Yiqun Fu, Li Liu, Bin Lu. "Diffusion Model with Detail Complement for Super-resolution of Remote Sensing." Remote Sensing, 2022.

Teaching Experience

Graduate Teaching Assistant — Purdue University
ECE 264: Advanced C Programming — *Aug. 2023 – Present*

Awards and Honors

Bachelor's Thesis with Honors, *University of Chinese Academy of Sciences* — 2021
Academic Excellence Scholarship (second-class), *University of Chinese Academy of Sciences* — 2019
Merit Student, *University of Chinese Academy of Sciences* — 2018 – 2019
Gold Medal, Best Open Project, *International Genetically Engineered Machine (iGEM) Foundation* — 2017 – 2018

Skills

- Programming Languages: Proficient in Python, C, Matlab, and Verilog; Familiar with HTML/CSS.
- Skills: Proficient in neural network implementation, dataset collecting, and reimplementation; Familiar with web scraping and webpage construction.
- Tools: Expertise with PyTorch, OpenCV, Numpy, Pandas, Sklearn, Spacy, PyTerrier, Linux operating system, and LaTeX; Acquainted with TensorFlow.