Yexin Mao

Canberra, Australia, 0458045615, u7530987@anu.edu.au

LINKS

Homepage, LinkedIn, Google Scholar

PROFILE

I have broad interests in machine learning, computer vision and natural language processing. I had experience in machine learning with label noise and self-supervised learning of graph neural networks. My current main research focus is on the neural rendering, especially, neural radiance field. I plan to pursue a PhD after graduation and I want to find a balance between academia and industry in my future life.

EMPLOYMENT HISTORY

Aug 2018 — Nov 2020 — Tutor, HD Education — Sydney

Jan 2021 — Dec 2021 — Intern, Institute of Automation, Chinese Academy of Sciences. — Beijing

Advised by Zhiwei Liu, Xiangyu Zhu

Brief job description: Human key points detection, dataset collection and labelling, initial build of platform for "Xiao Chu"(Multi-modal-model) etc.

Aug 2021 — Dec 2021 — Intern, ObjectEye — Beijing

Brief job description: Vehicle detection.

Aug 2022 — Nov 2022 — Intern, Wuhan AI Research — Wuhan(Remote)

Brief job description: Digital human, talking neural head avatar.

Nov 2022 — Present — Intern, Australian National University — Canberra

Advised by Huan Lei

Brief job description: Controllable neural radiance field

EDUCATION

Mar 2018 — Jun 2022 — Bachelor of Advanced Computing, University of Sydney — Sydney

Advised by Wei Huang, Tongliang Liu

First Class Honours

Thesis: Bolvar: Bootstrap Your Own Latent with Variance Regularization on Graphs

Jul 2022 — Master of Machine Learning and Computer Vision, Australian National University — Canberra

SKILLS

- Python
- Java
- C
- R
- SQL
- Pytorch
- Jax/Flax

PUBLICATIONS

Journal

Cracking enabled unclonability in colloidal crystal patterns authenticated with computer vision. Yuhuan Li, **Yexin Mao**, Jiahui Wang, Zhiwei Liu, Pan Jia, Na Wu, Haitao Yu, Jinqiao Wang, Yanlin Song, Jinming Zhou. In Nanoscale, 2022.