

Yexin Mao

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LINKS

[Homepage](#), [LinkedIn](#), [Google Scholar](#)

PROFILE

I have broad interests in machine learning, computer vision. 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 want to find a balance between academia and industry in my future life.

EDUCATION

Mar 2018 — Jun 2022	Bachelor of Advanced Computing, University of Sydney Advised by Wei Huang, Tongliang Liu First Class Honours Thesis: Bolvar: Bootstrap Your Own Latent with Variance Regularization on Graphs	Sydney
Jul 2022	Master of Machine Learning and Computer Vision, Australian National University	Canberra

EMPLOYMENT HISTORY

Aug 2018 — Nov 2020	Tutor, HD Education	Sydney
Jan 2021 — Dec 2021	Intern, Institute of Automation, Chinese Academy of Sciences. 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.	Beijing
Aug 2021 — Dec 2021	Intern, ObjectEye Brief job description: Vehicle detection.	Beijing
Aug 2022 — Nov 2022	Intern, Wuhan AI Research Brief job description: Digital human, talking neural head avatar.	Wuhan(Remote)
Nov 2022 — Present	Intern, Australian National University Advised by Huan Lei Brief job description: Controllable neural radiance field	Canberra

TEACHING

INFO1110: Introduction to Programming
Teaching assistant of Python programming for undergraduate students.

COMP3670/COMP6670 - Introduction to Machine Learning
Class representative of the Introduction to Machine Learning course for undergraduate students and master students.

PUBLICATIONS

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.