

Minghao (Spike) Fu

E-mail: isminghaofu@gmail.com

Phone: (+971) 585437893

Github: github.com/MinghaoFu

Homepage: MinghaoFu.github.io

RESEARCH INTEREST

Causal Discovery, Causality-inspired ML, Structural Learning, Trustworthy AI

EDUCATION

Mohamed bin Zayed University of Artificial Intelligence, Abu Dhabi, UAE
M.S. in Machine Learning Aug 2023 - Present
Supervisor: Kun Zhang

University of Electronic Science and Technology of China, Chengdu, China
B.S. in Software Engineering Sep 2019 - June 2023

PREVIOUS APPOINTMENTS

Mohamed bin Zayed University of Artificial Intelligence, Abu Dhabi, UAE
Research Assistant, Department of Machine Learning
Causal Discovery, Causality-inspired ML, Trustworth AI
Advisor: Kun Zhang & Biwei Huang May 2023 - Aug 2023

Shanghai AI Lab, Shanghai, China
Research Intern, Ark NLP Group
Long Text generation from the non-autoregressive perspective.
Advisor: Jiangtao Feng & Fei Yuan Nov 2022 - Mar 2023

University of Electronic Science and Technology of China, Chengdu, China
Undergraduate Research Assistant, Center For Future Media Lab
Model compression, Computer Vision, Meta Learning
Advisor: Jie Shao Apr 2022 - Aug 2022

SAP, Chengdu, China
Cloud Developer Intern Jan 2022 - Mar 2022

PUBLICATIONS AND PREPRINTS

Undergraduate Period

Minghao Fu, Dongyang Zhang, Min Lei, Kun He, Changyu Li, Jie Shao. "Wide Feature Projection with Fast and Memory-Economic Attention for Efficient Image Super-Resolution". In *British Machine Vision Conference (BMVC)*, 2022

Minghao Fu, Xin Man, Yihan Xu, Jie Shao. "ESTISR: Adapting Efficient Scene Text Image Super-resolution for Real-Scenes". In *CoRR*, abs/2306.02443, 2023

RESEARCH PROJECTS

Time-varying Causal Discovery On Climate Data
MBZUAI & CMU & UCSD & USC Aug 2023 - Present

Trustworthy AI for Healthcare: Letting Baby Talk to You
MBZUAI & CMU & USYD May 2023 - Nov 2023

Towards Lightweight and Efficient Image Super-Resolution (Undergraduate Thesis)
Center For Future Media Lab, UESTC May 2022 - May 2023

NAT-L: Non-autoregressive Long Text Generation
Shanghai AI Lab Nov 2022 - Mar 2023

	Microsoft News Recommendation and Intelligence Microsoft Research Asia & UESTC	Jan 2022 - Mar 2022
	LMap: A Variant Associative Container by Red-Black Trees Sinux & UESTC	Sep 2021 - Nov 2021
	Object Distance Estimation Using a Monocular Camera UESTC	Jan 2021 - Aug 2021
AWARDS AND HONORS	Outstanding Undergraduate Thesis Awards (Top 5%)	Jun 2023
	Honor Research (Top 1%)	Jun 2023
	Champion in The Human Phenotype Project Hackathon , Weizmann Institute of Science & MBZUAI	May 2023
	Undergraduate Advanced Study Award	May 2023
	Undergraduate High-Level Paper Award (Top 1%)	Apr 2023
	UESTC Excellent Student Scholarship	Sep 2022
	First Prize in China College Students Innovation and Entrepreneurship Competition	Jun 2021
TALKS AND PRESENTATIONS	Year 2022	
	BMVC 2022: "Wide Feature Projection with Fast and Memory-Economic Attention for Efficient Image Super-Resolution", London, UK	Nov 2022
	Undergraduate Research Experience Sharing Session, Chengdu, China	Sep 2022