XIANGLIN YANG

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RESEARCH INTERESTS

Responsible & Trusted AI, Model Debugging, Data Visualization, LLM.

EDUCATION

National University of Singapore — *Singapore*
Ph.D. candidate in Computer Science — *Aug 2020 - Present*
Advisor: Prof. Jin Song Dong

Fudan University — *Shanghai, China*
B.S. in Computer Science — *Sep 2016 - Jun 2020*

University of Manchester — *Manchester, UK*
Exchange student — *Sep 2018-Jan 2019*

EXPERIENCE

National University of Singapore — *Jul 2019 - Sep 2019*
Research Intern on code testing under supervision of Prof. Jin Song Dong

PUBLICATION

1 **Xianglin Yang**, Yun Lin, Yifan Zhang, Linpeng Huang, Jin Song Dong, Hong Mei. [code],[website]
DeepDebugger: An Interactive Time-Travelling Debugging Approach for Deep Classifiers.
*The ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (**ESEC/FSE**), 2023.*

2 **Xianglin Yang**, Yun Lin, Ruofan Liu, Jin Song Dong.
Temporality Spatialization: A Scalable and Faithful Time-Travelling Visualization for Deep Classifier Training. [paper],[code],[website]
*In Proceedings of the Thirty-First International Joint Conference on Artificial Intelligence (**IJCAI**)*, 2022.

3 **Xianglin Yang**, Yun Lin, Ruofan Liu, Zhenfeng He, Chao Wang, Jin Song Dong, Hong Mei.
DeepVisualInsight: Time-Travelling Visualization on Boundary and Temporal Properties of Deep Learning Classification. [paper],[code],[website]
*In Proceedings of the AAAI Conference on Artificial Intelligence (**AAAI**)*, 2022. [oral presentation, 4.5%]

4 Tianyuan Jin, **Xianglin Yang**, Xiaokui Xiao, Pan Xu.
Thompson Sampling with Less Exploration is Fast and Optimal. [code]
*In the Proceedings of the Fortieth International Conference on Machine Learning (**ICML**),2023.*

5 Ruofan Liu, Yun Lin, **Xianglin Yang**, Jin Song Dong.
Debugging and Explaining Metric Learning Approaches: An Influence Function Based Perspective. [paper]
*In Proceedings of the 35th Conference on Advances in Neural Information Processing Systems (**NeurIPS**)*, 2022.

6 Ruofan Liu, Yun Lin, **Xianglin Yang**, Siang Hwee Ng, Dinil Mon Divakaran, Jin Song Dong.
Inferring Phishing Intention via Webpage Appearance and Dynamics: A Deep Vision Based Approach. [paper]
*In Proceedings of the 31st USENIX Security Symposium (**USENIX Security**)*, 2022.

ACADEMIC ACHIEVEMENTS

1st Prize - the Research Prototype Competition by CCF ChinaSoft in 2022 [video]

NUS SoC Research Achievement Award in 2021/2022 Sem 2

2nd Prize - Scholarship of Fudan University for Outstanding Students (15%) 2019-2020

2nd Prize - Scholarship of Fudan University for Outstanding Students (15%) 2017-2018

3rd Prize - Scholarship of Fudan University for Outstanding Students (30%) 2016-2017

TECHNICAL STRENGTHS

Computer Languages	Proficient at Python, Pytorch
Language	Native in Mandarin, fluent in English