XIN WANG

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Education

2022.09 — Pres. **Ph.D.**, School of Computer Science, Fudan University, China
Advisor: Prof. Xingjun Ma and Prof. Yu-Gang Jiang

2018.09 — 2021.07 **M.Phil.**, Faculty of Artificial Intelligence in Education, Central China Normal University, China
Advisor: Prof. Qiusha Min

2014.09 — 2018.07 **B.Eng.**, Zhang Zhongjing College of Chinese Medicine, Nanyang Institute of Technology, China

Experiences

2021.07 — 2022.01 **Computer Vision Algorithm Engineer**, RDG, iFLYTEK, China
2016.02 — 2016.07 **Exchange Student**, College of Science, Providence University, Taiwan

Publications (*these authors contributed equally)

[1] **Xin Wang**, Kai Chen, Jiaming Zhang, et al. TAPT: Test-Time Adversarial Prompt Tuning for Robust Inference in Vision-Language Models. arxiv, 2024.

[2] Lin Luo, **Xin Wang**, Bojia Zi, et al. Adversarial Prompt Distillation for Vision-Language Models. arxiv, 2024

[3] **Xin Wang**, Kai Chen, Xingjun Ma, et al. AdvQDet: Detecting Query-Based Adversarial Attacks with Adversarial Contrastive Prompt Tuning. ACM MM, 2024.

[4] Jiaming Zhang, Xingjun Ma, **Xin Wang**, et al. Adversarial Prompt Tuning for Vision-Language Models. ECCV, 2024

[5] Qiusha Min, **Xin Wang**, Bo Huang, et al. Lossless medical image compression based on anatomical information and deep neural networks[J]. Biomedical Signal Processing and Control, 2022, 74: 103499.

[6] Qiusha Min*, **Xin Wang***, Bo Huang, et al. Web-Based Technology for Remote Viewing of Radiological Images: App Validation[J]. Journal of Medical Internet Research, 2020, 22(9): e16224.

Projects

Computer Vision Algorithm Engineer, Turing Group, RDG, iFLYTEK

- **Federated Learning Platform and iDash Privacy & Security Challenge 2021:** Our team proposed the Baopu platform, as the independently R&D federated learning platform, aiming to provide a secure computing framework to support the federated learning ecosystem. Moreover, our team, YYDS, is among the best-performing teams that participate in the iDash Privacy & Security Challenge Track 3: confidential computing. Simultaneously, I was invited to make a presentation at the iDASH workshop.
- **The 2021 iFLYTEK AI Developer Competition - Object Detection in X-ray Images:** In this project, our goal is to explore the best object detection models that can correctly classify prohibited objects in X-ray images and precisely locate all of those objects.

Selected Awards

- iDash Privacy & Security Challenge Track 3: Confidential Computing, Ranked 1st, 2021.
- Outstanding Graduate Award of Central China Normal University, 2021.
- Outstanding Master's Thesis Award of Central China Normal University, 2021.