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Xilie Xu

Education Background

Aug. 2021 - **Ph.D. Candidate**, Department of Computer Science, School of Computing, Present National University of Singapore, Singapore.

Sep. 2017 - Undergraduate, Taishan College, Shandong University, Jinan, China.

Jun. 2021 GPA 88.80/100 (ranking 5/16)

Taishan College is an elite program, which is committed to cultivating compound and creative elite students in science and engineering disciplines. The selection of this college is really competitive, admitting only about 15 students of CS major.

Research Experience

Jun. 2019 - Research Assistant in Research Center of Software and Data Engi-Jun. 2021 neering, Shandong University, Jinan, China.

Supervised by Prof. Cui Lizhen and Dr. Zhang Jingfeng

• Research topic: Adversarial machine learning [1, 2, 3].

Publication

- [1] Jingfeng Zhang, Xilie Xu, Bo Han, Gang Niu, Lizhen Cui, Masashi Sugiyama, and Mohan Kankanhalli. Attacks which do not kill training make adversarial learning stronger. In *International Conference on Machine Learning*, pages 11278–11287. PMLR, 2020.
- [2] Chen Chen, Jingfeng Zhang, Xilie Xu, Tianlei Hu, Gang Niu, Gang Chen, and Masashi Sugiyama. Guided interpolation for adversarial training. arXiv preprint arXiv:2102.07327, 2021.
- [3] Jingfeng Zhang, Xilie Xu, Bo Han, Tongliang Liu, Gang Niu, Lizhen Cui, and Masashi Sugiyama. Noilin: Do noisy labels always hurt adversarial training? arXiv preprint arXiv:2105.14676, 2021.

Internship Experience

Jun. 2021 - Research Intern, Department of Ant Group-CRO Line-Security and Risk
Jul. 2021 Management, Ant Z Space, Hangzhou, China.

Mentored by Dr. Lyu Lingjuan

- $\circ\,$ Research topic: Adversarial machine learning and privacy.
- Proposed an innovative proposal A new method to protect model intellectual property and data privacy by preventing knowledge distillation.

⁰An asterisk (*) beside authors' names indicates equal contributions.

Academic Activity

- Jul. 2019 **NUS School of Computing Summer Workshop 2019**, National University of Singapore, Singapore.
 - Project "Save Shanghai: Garbage Classification" was awarded the first prize among about 100 competitive teams in the "Big Data and Cloud Computing" cluster.
- Sep. 2018 Research Assistant in Lab of Big Data Management and Analysis,
- May. 2019 Shandong University, Qingdao, China.
 - Supervised by Prof. Peng Zhaohui
 - Research project: Big data analysis in the context of manufacturing and how to utilize data from heterogeneous domains via transfer learning.
- Oct. 2017 Web Development in "STUDENT ONLINE" Club, Shandong University,
- Jun. 2018 Jinan, China.
 - Main work: Design a questionnaire website.

Award

- Oct. 2021 Outstanding Reviewer Award, NeurIPS 2021.
- Jun. 2021 Outstanding Undergraduate Thesis Award, Shandong University.
- Sep. 2020 **Specialty Scholarship (Research Innovation Award)**, First Prize, Shandong University.
- Sep. 2020 Outstanding Student Scholarship, Second Prize, Shandong University.
- Sep. 2019 Outstanding Student Scholarship, Third Prize, Shandong University.
- Oct. 2018 the 10th Mathematics Competition of Chinese College Student, First Prize, Chinese Mathematical Society.
- Sep. 2018 Outstanding Student Scholarship, Third Prize, Shandong University.
- Dec. 2017 the 12th Certified Software Professional Examination, Top 10%, CCF Computer Proficiency Certification.

Academic Service

- Sep. 2021 Serve as a reviewer for ICLR 2022.
- May. 2021 Serve as a reviewer for NeurIPS 2021.