YUHAO MAO

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EDUCATION

ETH Zurich   Zurich, Switzerland
Master in Computer Science (GPA: 5.91/6.0)   September 2021 – July 2023

Zhejiang University   Hangzhou, China
Bachelor in Applied Mathematics & Finance (GPA: 3.93/4.0)   September 2017 – July 2021
- Chu Kochen Honors College (top 5% admitted annually)

Massachusetts Institute of Technology   Boston, USA
Machine Learning Summer Program (Score: 96/100)   July 2019

PUBLICATION

- **Yuhao Mao**, Mark Niklas Müller, Marc Fischer, Martin Vechev, Understanding Certified Training with Interval Bound Propagation, The Twelfth International Conference on Learning Representations (ICLR'24).
- Max Baader*, Mark Niklas Müller*, **Yuhao Mao**, Martin Vechev, Expressivity of ReLU-Networks under Convex Relaxations, The Twelfth International Conference on Learning Representations (ICLR'24).
- **Yuhao Mao**, Mark Niklas Müller, Marc Fischer, Martin Vechev, Connecting Certified and Adversarial Training, The Thirty-seventh Conference on Neural Information Processing Systems (NeurIPS'23).
- **Yuhao Mao**, Chong Fu, Saizhuo Wang, Shouling Ji, Xuhong Zhang, Zhenguang Liu, Jun Zhou, Alex X. Liu, Raheem Beyah, Ting Wang, Transfer Attack Revisited: A Large-Scale Empirical Study in Real Computer Vision Settings, IEEE Symposium on Security & Privacy 2022 (SP'22).
- Yuyou Gan*, **Yuhao Mao***, Xuhong Zhang, Shouling Ji, Yuwen Pu, Meng Han, Jianwei Yin, Ting Wang, ``Is your explanation stable?": A Robustness Evaluation Framework for Feature Attribution, ACM SIGSAC Conference on Computer and Communications Security 2022 (CCS'22).

JOB EXPERIENCE

Higgs Asset   Hangzhou, China
Internship in Quant Research   March 2021-July 2021

ADDITIONAL RESEARCH EXPERIENCE

The Helmholtz Center for Information Security   Saarland, Germany
Research Assistant to Dr. Yang Zhang   July 2020 – June 2021
Topic: Injection and Detection of Neural Backdoors

ADDITIONAL INFORMATION

Additional Professional and Extracurricular Experiences
- Deliver oral presentation and attend lectures as one of four specially invited students at the *4th Annual Honors International Faculty Institute Workshop* at Texas Christian University, USA, in June 2019.
- Spend approximately 200 hours volunteering as an undergraduate student, including as an assistant for the *11th International Chinese Statistics Association (ICSA) International Conference*.
- Teaching math classes at elementary schools, high schools and as a part-time calculus tutor to first-year university students.

Interests
- Individual Quant research and investments.
- Member of the CKC College volleyball team from 2017 to 2020.
- Travel, think, and have fun.

Computer and Language Skills
- Fluent: Python (multiple course and research projects in Python, familiar with Pytorch, Pandas, Matplotlib, numpy, etc.), LaTeX, C, R, Markdown, bash
- Experienced: MATLAB, HTML, SQL
- Chinese (mother tongue), English (C1 level)