

# YUHAO MAO

D-INFK, ETH Zurich, Switzerland  
+41 764428769 | e: myh821746176@outlook.com

## EDUCATION

### ETH Zurich

Master in Computer Science (GPA: 5.91/6.0)

Zurich, Switzerland  
September 2021 – July 2023

### Zhejiang University

Bachelor in Applied Mathematics & Finance (GPA: 3.93/4.0)

- Admitted to Chu Kochen Honors College (top 5% admitted annually)

Hangzhou, China  
September 2017 – July 2021

### Massachusetts Institute of Technology

Machine Learning Summer Program (Score: 96/100)

Boston, USA  
July 2019

## PUBLICATION

- Yuhao Mao**, Mark Niklas Müller, Marc Fischer, Martin Vechev, Connecting certified and adversarial training, 2nd Workshop on Formal Verification of Machine Learning, 40th International Conference on Machine Learning (WFMVL@ICML'23).
- Yuhao Mao**, Mark Niklas Müller, Marc Fischer, Martin Vechev, Understanding Certified Training with Interval Bound Propagation, 2nd Workshop on Formal Verification of Machine Learning, 40th International Conference on Machine Learning (WFMVL@ICML'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

Internship in Quant Research

Hangzhou, China  
March 2021-July 2021

## ADDITIONAL RESEARCH EXPERIENCE

### The Helmholtz Center for Information Security

Research Assistant to Dr. Yang Zhang

**Topic: Injection and Detection of Neural Backdoors**

Saarland, Germany  
July 2020 – June 2021

## ADDITIONAL INFORMATION

### Additional Professional and Extracurricular Experiences

- Deliver oral presentation and attend lectures as one of four specially invited students at the *4<sup>th</sup> 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 *11<sup>th</sup> 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)