

# 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)

- 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, [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

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

- Oral presentation as one of four specially invited students at the *4th Annual Honors International Faculty Institute Workshop* at Texas Christian University, USA, in June 2019.
- ~200 hours volunteer as an undergraduate.
- Teach math at elementary schools (Olympics) and high schools (Calculus).

### 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

- Expert: Python, LaTeX, C, R, Markdown, MATLAB
- Experienced: bash, HTML, SQL, Alloy
- Mandarin (native), English (Proficient), Ningbo Dialect of Wu Chinese (native)