

## Wenjie Qu

Department of Artificial Intelligence and Automation  
Huazhong University of Science and Technology  
<https://quwenjie.github.io/>  
wen\_jie\_qu@outlook.com

### EDUCATION

**Huazhong University of Science and Technology**, Wuhan, China 2019.9-2023.6  
B.E. Automation, Honor Class

- **GPA: 3.93/4.0** Score: 90.8/100

### RESEARCH INTERESTS

Various topics in Computer Science, mainly Security:

- AI for Security, Software Engineering, System
- Machine Learning Security& Privacy
- Multi-Party Computation
- Decentralized system

### EXPERIENCE

Decentralized System Building and Federated Learning March 2022-  
Research Intern, Dawn Song's Group, UC Berkeley Berkeley, USA  
Under the supervision of Professor Dawn Song

AI-assisted Decompilation January 2022-  
Research Intern, Hexhive Group, EPFL Lausanne, Switzerland  
**EPFL Summer Program, selected 2% out of undergraduates globally**  
Under the supervision of Professor Mathias Payer

Binary Analysis June 2021-January 2022  
Research Intern, Network & Information Security Lab, Tsinghua University Beijing, China  
Under the supervision of Professor Chao Zhang.

Provably Robust Machine Learning January 2021-March 2022  
Research Intern, Neil Gong's Research Group, Duke University Durham, USA(remote)  
Under the supervision of Professor Neil Gong.

Adversarial Machine Learning on Computer Vision  
Research Intern, School of Cyber Science and Engineering, Huazhong University of S&T Wuhan, China  
Under the supervision of Dr.Binghui Wang and Professor Pan Zhou

## PUBLICATIONS

- **jTrans: Jump-Aware Transformer for Binary Code Similarity Detection**  
Hao Wang\*, **Wenjie Qu\***, Gilad Katz, Wenyu Zhu, Zeyu Gao, Han Qiu, Jianwei Zhuge, Chao Zhang  
*International Symposium on Software Testing and Analysis (ISSTA)* 2022
- **EncoderMI: Membership Inference against Contrastive Learning**  
Hongbin Liu\*, Jinyuan Jia\*, **Wenjie Qu**, Neil Gong  
*ACM Conference on Computer and Communications Security (CCS)* 2021,
- **REaaS: Robust Encoder as a Service in Contrastive Learning**  
**Wenjie Qu**, Jinyuan Jia, Neil Gong  
Submitted to NDSS 2023
- **Certified Radius-Guided Attacks to Image Segmentation Models**  
**Wenjie Qu\***, Youqi Li\*, Binghui Wang  
Submitted to IEEE S&P 2023
- **Pre-trained Encoders in Self-Supervised Learning Improve Secure and Privacy-preserving Supervised Learning**  
Hongbin Liu\*, **Wenjie Qu\***, Jinyuan Jia, Neil Gong  
Submitted to ACM CCS 2022

## PROJECTS

Decentralized Data Science

## ACADEMIC SERVICE

External Reviewer

- International Conference on Machine Learning (ICML), 2022

## HONORS & AWARDS

- Autodriving CTF, DEFCON 29, 4th place 2021
- **National Scholarship (the highest honor for undergraduates in China)** 2020
- **Outstanding Graduate(top 1%)** 2020
- Merit Student (1/30) 2020

### *Programming Competitions*

- Bronze Medal, Asia-Pacific Informatics Olympiad 2018
- Bronze Medal, National Olympiad in Informatics Winter Camp 2018
- First Prize, National Olympiad in Informatics in Provinces 2017