

# HAO CHUNG (鍾豪)

✉ [haochung@andrew.cmu.edu](mailto:haochung@andrew.cmu.edu) ♦ <https://chunghao.github.io>

## CURRENT POSITION

---

**Carnegie Mellon University** Pittsburgh, Pennsylvania, USA  
Ph.D. in Electrical and Computer Engineering 02/2021 - Present

- Advisor: Elaine Shi

## EDUCATION

---

**National Taiwan University** Taipei, Taiwan  
M.S. in Electrical Engineering 09/2016 - 06/2018

- Advisor: Kai-Min Chung and Chen-Mou Cheng (co-advised)
- Thesis: *Analysis and Comparison of Security Proofs of Quantum Key Distribution*

**National Taiwan University** Taipei, Taiwan  
B.S. in Physics (minor in Philosophy) 09/2018 - 06/2016

## WORK EXPERIENCE

---

**Academia Sinica** Taipei, Taiwan  
Research Assistant 09/2019 - 02/2021

- Advisor: Kai-Min Chung

**DEXON Foundation** Taipei, Taiwan  
Blockchain Researcher 09/2018 - 05/2019

## PUBLICATIONS

---

- [1] Bar Alon, Hao Chung, Kai-Min Chung, Mi-Ying Huang, Yi Lee, and Yu-Ching Shen. Round efficient secure multiparty quantum computation with identifiable abort. In *Advances in Cryptology – CRYPTO 2021*, pages 436–466. Springer International Publishing, 2021.
- [2] Hao Chung and Elaine Shi. Foundations of transaction fee mechanism design. 2021.
- [3] Po-Chun Kuo, Hao Chung, Tzu-Wei Chao, and Chen-Mou Cheng. Fair byzantine agreements for blockchains. *IEEE Access*, 8:70746–70761, 2020.

## TEACHING EXPERIENCE

---

**Summer School for Cryptography in Academia Sinica** Taipei, Taiwan  
Teaching Assistant 07/2017 - 08/2017