



## CHEN HAOTIAN

Research Assistant

### OBJECTIVE

One Ph.D. candidate position in the field of quantum security (Ensuring cybersecurity with quantum approaches).

### SKILLS & ABILITIES

- **Coding and applications:** Qiskit, Python, Java, some C++
- **Research Tools:** Clarivate, Consensus, ChatPDF, Web of Science, Scopus, Google Scholar
- **Software Tools:** Docker, Wireshark, Nmap, Jupyter-Notebooks, GSN3, VMWare
- **Soft Skills:**
  - Strong research and analytical abilities
  - Detail-oriented and meticulous
  - Capacity for sustained independent work
  - Good communication and collaboration skills
  - Perseverance and determination
  - Passion for continuous learning and self-improvement
  - Effective problem-solving skills

### VITALS

Jurong East, Singapore

T +65 9022 5794

E [chahot@nus.edu.sg](mailto:chahot@nus.edu.sg)

### EXPERIENCE

- **National University of Singapore, Singapore**  
2024.10 – Present  
Research Assistant at Centre for Quantum Technologies
- **Seoul National University of Science and Technology (SeoulTech), Seoul, Rep. of Korea**  
2021.09 – 2023.11  
Ph.D. Position in Ubiquitous Computing & Security Lab

### EDUCATION

- PhD Candidate in Computer Science and Engineering, Seoul National University of Science and Technology (SeoulTech), Seoul, Rep. of Korea  
2021.09 – 2023.11 (**GPA = 4.27/4.50, 97.4/100**) (**Program Withdrawn**)
- Bachelor of Science in Computer Science and Engineering, Seoul National University of Science and Technology (SeoulTech), Seoul, Rep. of Korea  
2017.03 – 2021.08 (**GPA = 3.64/4.50, 90.2/100**)

### RESEARCH EXPERIENCE

- Leveraging Application Permissions for Android Ransomware Detection: Deep Reinforcement Learning Approach, Journal of Network and Computer Applications (**ISSN 1084-8045, Impact Factor: 7.7, JCR Q1 Top 4.2%**) (**Ack: NRF - RS-2023-00267476**), 2024 [Published]
- A Digital Twin-Based Heuristic Multi-Cooperation Scheduling Framework for Smart Manufacturing in IIoT Environment, Applied Science (**EISSN 2076-3417, Impact Factor: 2.5, JCR Q2 Top 24.3%**) (**Ack: NRF-2019M3F2A1073386**), 2023 [Published]
- A Novel Smart Contract based Optimized Cloud Selection Framework for Efficient Multi-Party Computation., Journal of Information Processing Systems, (**EISSN 2092-805X, Impact Factor: 1.6, Scopus**), 2023 [Published]
- Blockchain-Based Distributed Information Hiding Framework for Data Privacy Preserving in Medical Supply Chain Systems., **Sensors**, (**EISSN 1424-8220, Impact Factor: 3.4, JCR Q2 Top 30.9%**)(**Ack:NRF-019R1A2B5B0107041613 & UD210029TD**), 2022 [Published]
- A Comprehensive Study of Quantum Computing Technologies in Smart City: Review and Future Directions, Human-centric Computing and Information Sciences (**ISSN 1389-1286, Impact Factor: 3.9, JCR Q2 Top 26.3%**) (**Ack: NRF - RS-2023-00267476**), 2024 [Published]

### AWARDS AND RECOGNITIONS

- **Scholarships**
  - ‘Scholarship for Outstanding Achievement for Foreigners’ for each semester of my undergraduate studies (4 semester full scholarships and 4 semester half scholarships).
  - ‘Scholarship for Outstanding Achievement for Foreigners’ for each semester of my graduate studies (75% scholarships).
- **Best Paper Award in International Conference**
  - The 13th International Conference on Computer Science and its Applications, Jeju, Korea, 2021
  - The 2022 World Congress on Information Technology Applications and Services Jeju, Korea, 2022
  - The 2023 International Conference on Big data, IoT, and Cloud computing, Jeju, Korea, 2023
- **Recognitions in Technical Blog, China**
  - **Alibaba Cloud Developer Community-Blogging Expert:** May, 2023
  - **CSDN-Blogging Expert:** March, 2023

### OTHER WORK

- **Book Publication, China**  
Quantum Security: A New Era in Information Protection. Published with the PHEI (Publishing House of Electronics Industry, the 4th-ranked publisher in the field of Chinese technology books), 2024