

# Curriculum Vitae

Wei Qi

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## 1 Research Interests

I am broadly interested in theoretical computer science. In particular, I am focused on foundations of cryptography.

## 2 Education

- **University of Virginia**, Charlottesville, USA.  
M.C.S. Advisor: Mohammad Mahmoody, 2021-2022.
- **Central South University**, Chang Sha, China.  
B.Eng. Major: Data Science and Big Data Technology, 2016-2020.

## 3 Publications

The convention for publications in cryptography and theoretical computer science is to list authors alphabetically.

### Conference Papers

2. Mohammad Mahmoody, Wei Qi, and Ahmadreza Rahimi. *Lower Bounds for the Number of Decryption Updates in Registration-Based Encryption*. Theory of Cryptography Conference (TCC) 2022.
1. Logan Moody, Wei Qi, Abdolrasoul Sharifi, Layne Berry, Joey Rudek, Jayesh Gaur, Jeff Parkhurst, Sreenivas Subramoney, Kevin Skadron and Ashish Venkat. *Speculative Code Compaction: Eliminating Dead Code via Speculative Microcode Transformations*. 55th IEEE/ACM International Symposium on Microarchitecture (MICRO) 2022.

### Journal Papers

1. Wei Qi, Wei Liu, Xuxun Liu, Anfeng Liu, Tian Wang, Neal N Xiong and Zhiping Cai. *Minimizing Delay and Transmission Times with Long Lifetime in Code Dissemination Scheme for High Loss Ratio and Low Duty Cycle Wireless Sensor Networks*. Sensors 2018, 18(10), 3516.

## 4 Courses

Graduate Course	Instructor	Grade
Theory of Computation	Mohammad Mahmoody	A <sup>+</sup>
Introduction to Cryptography	David Wu	A <sup>+</sup>
Number Theory	Ken Ono	A
Introduction to Geometry	Walker Stern	A

## 5 Languages

- Chinese (Native)
- English (TOEFL: 109)
- Japanese (JLPT: N2)

## 6 Programming Languages

C++, JAVA, Python.