Faxing Wang

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Education

Sep 2018-Jul 2021	*M.Sc. in Cybersecurity* **University of Science and Technology of China** │ GPA: 3.33/4.0 Thesis on going : "Using SGX for maliciously secure and efficient MPC"
Sep 2014-Jul 2018	*B.Eng. in Communication Engineering* **Southwest Jiaotong University** │ GPA: 3.2/4.0 │ Rank: 8/54

Experience

Sep 2018 - Present	Lab of Future Network, USTC *Advisor: Chi Zhang* In the Group of Blockchain & Privacy, covered a variety of topics of privacy in blockchain systems especially on Bitcoin, such as using an SPV(Simplified Payment Verification) client to retrieve transaction records in a privacy-preserving way, or building an efficient Lightning Network with privacy.
Jul 2019	Summer School at LoCCS, SJTU *Shanghai Jiao Tong University* A seminar on state-of-art attack techniques including Vulnerabilities in ML Models, Side Channel Attacks On SGX, and Fuzzing.
2020	Finished Online Courses On Cryptography: Cryptography I (91/100) By Dan Boneh, Cryptography (92/100) By Jonathan Katz, Usable Security (91/100) and Software Security (89/100) of UMD.

Skills

Languages: English (*TOEFL*: 87), Mandarin (*native*)
Programming Languages: C/C++, Python, Matlab, LaTeX, Markdown
Tools/Frameworks: Libscapi, Git, CryptoPP, SGX

Awards

First-class (2015), Second-class (2016, 2017) Academic Scholarship in SWJTU

Third-class Prize in National Cybersecurity & Operations Challenge 2016

Outstanding Undergraduate 2018

Second-class (2018, 2019) and First-class (2020) Academic Scholarship in USTC

Projects

Spring 2019	In ***Economics and Privacy Issues in Big Data*** of Prof. Xiangyang Li Implemented a homomorphic-encryption protocol to preserve the privacy of genome data when using them for disease detecting. *Software and tools used:* C++
Summer 2017	Developed a face recognization platform as an access control method for our lab. *Software and tools used:* C++, Python, HTML

Publication

Yankai Xie, Chi Zhang, Lingbo Wei, Yukun Niu, **Faxing Wang,** "Private Transaction Retrieval for Lightweight Bitcoin Client." *IEEE International Conference on Blockchain and Cryptocurrency (ICBC 2019*)

Yankai Xie, Chi Zhang, Lingbo Wei, Yukun Niu, **Faxing Wang**, Jianqing Liu, "A Privacy-preserving Ethereum Lightweight Client Using PIR." *IEEE/CIC International Conference on Communications in China(ICCC 2019*)