

KunPeng Ren

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Education

M.S. in Software Engineering Sept. 2017 - Present
Peking University - Haidian, Beijing

B.S. in Computer Science Sept. 2013 - June. 2017
HuaQiao University- Xiamen, Fujian

Skills

Programming Languages: Python, Java, JavaScript, OCaml, Solidity, C++
Technology: Blockchain, Web Security, Symbolic Execution, Data Mining
Software Development: Ethereum DApp, Android App, Web App

Experience

Research Intern - Database System Research Group of NUS July. 2019 - present
Advisors: Quang-Trung Ta, Beng Chin Ooi

- Researched on Smart Contract Verification
- Focus on integer overflow bug detection in Smart Contract

Graduate Research Assistant - Infosec Laboratory of PKU Apr. 2018 - July. 2019
Advisors: Huiping Sun, Zhong Chen

- Investigated on the Framework of Enterprise Blockchain, Blockchain use case in insurance and vehicles
- Researched on blockchain privacy and security , Bitcoin Mixing
- Researched on Honeywords, proposed a new Honeywords Generation method

Visiting Student - NISL of THU Sept. 2018 - Dec. 2018
Advisors: Shuqiang Lu, Haixin Duan

- Researched on Bitcoin transaction analysis: data mining and visualization
- Researched on Bitcoin malicious transaction analysis: transaction classification and tracking

Security Research Intern - 360 Enterprise Security Group Nov. 2017 - Apr. 2018

- Researched web security, reproduced vulnerabilities, maintained attack detection rules
- Studied Monero Mining, Startum Mining protocols and Mining trojans

Security Service Engineer - NSFOCUS information Technology June. 2017 - Sept. 2017

- Worked on Penetration Testing, Code Auditing, and Security emergency response

Relevant Coursework

Applied Cryptography, Introduction to Network & Information Security, Advanced Operating System, Operating System & Virtualization Security, Information Security Engineering, Natural Language Processing, Big Data Processing, Computer Network, Oriented Programming

Honors and Awards

Project: BCHVis (BCH blockchain transaction visualization analysis system)
DoraHacks x BCH Faith Hack Hackthon **Champion** 2018.7
Scholarship: National Encouragement Scholarship(Top 5%) 2015.12