

Ru Ji

About me

I'm a college student at Beijing University of Posts and Telecommunications. I'm good at learning languages, I'm also very passionate about doing researches in interesting areas. I've been working on some competitions and researches during the past 3 years in college. Besides my studies, I have various hobbies such as skiing, skateboarding and so on.

Contacts

No.10 Xitucheng Road, Haidian District, Beijing, 100089

Phone (86)18515561026

Email jiru@bupt.edu.cn

Website Kindhearted57

GitHub @Kindhearted57

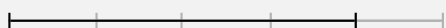
twitter RR

Skills

Python



C/C++



TeX



Linux



Solidity



Languages

Chinese



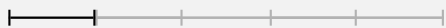
Native Speaker

English



CET-6 666; IELTS 7

Français



95/100(5th semester)

97/100(6th semester)

Education

Beijing University of Posts and Telecommunications

B.S. Cyberspace Security | GPA: 3.65/4 | Expected July 2021

Relevant Coursework: Fundamentals of financial security; Assembly language and reverse engineering; Modern cryptography; OS kernel; Probability and statistics; Fundamentals of web development; Software security; Network security Design work(group work):

- **Secure P2P Instant Messaging System (A team of five)**
- **Secure Online Drive (A team of four)**
- **Vulnerabilities Exploitation and Detection Experiment (A team of five)**

Research Experiences

(Under review) DEPOSafe: Demystifying the Fake Deposit Vulnerability in Ethereum Smart Contracts

June 2020

Fake deposit is one of the most representative attacks related to exchanges and tokens in blockchain ecosystem, causing large financial losses. We take the first step to demystify the fake deposit vulnerability. We summarize essential patterns and propose an automated tool to detect and verify fake deposit vulnerability in ERC-20 smart contracts. Our findings demonstrate the urgency to identify and prevent the fake deposit vulnerability.

(Ongoing) Scams in the Bitcoin Ecosystem

There are many kinds of scams in bitcoin ecosystem: ransomware, sextortion, blackmail...We collect the data related to bitcoin scams and analyse certain features, we are now working on drawing the money flow graph to find more information about the scam chain.

(Under review) Characterizing Cryptocurrency Exchange Scams

March 2020

Cryptocurrency exchanges attract the attention of attackers, a number of scam attacks were allegedly targeting cryptocurrency exchanges. In this paper we make the first effort to identify and characterize cryptocurrency exchange scams. We identify scam domains and fake apps and investigate the relationship between them.

Awards

First Prize in National Cryptography Competition

Nov 2019

Given the fact that the size of the ledger continues to grow, and there is a large amount of rubbish information in the ledger that does not deserve the space it occupies. We designed an algorithm to condense the blockchain ledger by deleting transactions or blocks with chameleon hash. I'm responsible for the coding part and the report writing part.

Second Prize in the National Mathematical Modeling Competition

Aug 2019

Outstanding Student Leader

2018/2019

Scholarship of 2nd Degree

2018/2019

First Prize in the 3rd National English Forum on Electric Power and Humanities

May 2019

Second Prize in National English Reading Competition(FLTRP)

June 2018

First Prize in National English Competition

May 2018

Supplementary Information

Leader in School's Taekwondo Club

July 2018 - July 2019

Monitor in Cyberspace Security School

Sep 2017 - now

Vice Minister in School's Students' Union

July 2018 - July 2019