(+1) 315-416-4615 4-294, 111 College Pl., Syracuse, NY 13210

EDUCATION

Syracuse University - The College of Engineering and Computer Science Ph.D. in Computer and Information Science and Engineering (CISE)

Aug. 2021 – Present

M.S. in Computer Science

Aug. 2019 – Dec. 2020

Syracuse, NY

GPA 3.93 / 4.00

Hubei University - School of Computer Science and Information Engineering Bachelor of Software Engineering

Wuhan, China Sept. 2015 - Jun. 2019

University of Minnesota

Summer General Education Program

Minneapolis, MN Summer 2018

PUBLICATIONS

- Towards Understanding Crypto-Asset Risks on Ethereum Caused by Key Leakage on the Internet
 Yuxuan Zhou, Jiaqi Chen, Yibo Wang, Yuzhe Tang and Guofei Gu, ACM Web Conference (WWW), 2024
- Uncovering Atomicity Violations and Security Risks in Decentralized Exchange in the Wild
 Jiaqi Chen, Yibo Wang, Yuxuan Zhou, Wanning Ding, Yuzhe Tang, XiaoFeng Wang, and Kai Li, 8th IEEE European
 Symposium on Security and Privacy, 2023
- Graph4Web: A Relation-Aware Graph Attention Network for Web Service Classification
 Kunsong Zhao, Jin Liu, Zhou Xu, Xiao Liu, Lei Xue, Yuxuan Zhou, and Xin Wang, Journal of Systems and Software (JSS), 2022
 (Invited to SANER'2023 as part of the Journal First Track)
- Predicting Crash Fault Residence via Simplified Deep Forest Based on A Reduced Feature Set
 Kunsong Zhao, Jin Liu, Zhou Xu, Li Li, Meng Yan, Jiaojiao Yu, and Yuxuan Zhou, The 29th IEEE/ACM International
 Conference on Program Comprehension (ICPC), 2021

EXPERIENCE

The Hong Kong Polytechnic University

Research Assistant

Hong Kong SAR Summer 2024

- Conducted an empirical study on Large Language Models (LLMs) based smart contract vulnerability detection methods
- Developed and optimized prompt engineering techniques tailored for Ethereum smart contract vulnerability detection

Syracuse University Syracuse, NY

Teaching Assistant for Cryptography, Adv. Computer Architecture, and Sys. & Network Programming.

Fall 2023 - Present

- · Taught lectures with well-prepared course material and facilitated classroom discussions
- Supported students in understanding course content through lectures, discussion sessions, and one-on-one consultations
- Collaborated with the course instructor to optimize teaching strategies and conveyed feedback from students

ZTE - Central R&D Institute

Nanjing, China Summer 2023

Intern of Software Engineer

- Summarized the latest zero-knowledge proof (ZKP) systems (SNARK, STARK) and their applications
- · Conducted research on the feasibility of integrating ZKP into ZTE's established trusted computing and blockchain projects
- Developed a ZKP demo that could prove and verify select identity elements while maintaining the confidentiality of the remaining information

Syracuse University

Syracuse, NY Fall 2020 - Present

Research Assistant

Explored Ethereum mem-pool protocols and implemented patches to vulnerabilities that lead to low-cost DoS attack(ref.)

- Analyzed smart contracts vulnerabilities and tracked blockchain attacks that exploited smart contracts design flaws
- Uncovered extractable value on Blockchain from secret keys management perspective

PROJECTS

Improved deep-learning based fingerprint recognition system with Generative Adversarial Networks

Fall 2021

Developed the online multiplayer or vs-RNN-AI Gomoku games in Python and JavaScript

Fall 2020

• Utilized Logistic Regression and LSTM models to analyze and predict public sentiment on COVID-19

Spring 2020

- Developed inventory monitoring and automatic order placement browser plugin in Python and JavaScript
- Completed online ordering system design using Java, Spring Boot, RESTful API, Nginx, Redis and SQL

Dec. 2019 April 2019

AWARDS AND CERTIFICATIONS

- Travel Award: ETHDenver 2024, DSN 2022
- Qualification Certificate of Computer and Software Technology Proficiency: Intermediate software designer, May 2018
- First prize of Blue Bridge Cup software development competition (Java Group), March 2018
- Merit Student of College, 2016, 2017, 2019
- Scientific Innovation Award of College, 2018

SKILLS

• Python, Go, Solidity, Java, C, C++, C#, JavaScript, SQL