

RUISHI LI (李蕊诗)

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COM3-02-18, School of Computing, NUS, Singapore 119391

EDUCATION

National University of Singapore, Singapore Aug. 2022 -

Ph.D. student in Computer Science, School of Computing

Advisor: [Prateek Saxena](#).

University of Chinese Academy of Sciences, Beijing, China Sep. 2019 - Jun. 2022

M.S. in Cyber Security, Institute of Information Engineering

Overall GPA: 3.94/4.00

Advisor: [Kai Chen](#).

Wuhan University, Wuhan, China Sep. 2015 - June. 2019

B.E. in Information Security, School of Cyber Science and Engineering

Overall GPA: 3.81/4.00

Advisor: [Liqiang Zhang](#).

Ranked first in recommending excellent undergraduates to study for a master's degree without examination.

RESEARCH INTERESTS

Software Security, Code Translation, Large Language Models

PUBLICATIONS

[1] **TransMap: Pinpointing Mistakes in Neural Code Translation.**

Bo Wang, [Ruishi Li](#), Mingkai Li, Prateek Saxena. *The ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)*, December, 2023.

[2] **RTFM! Automatic Assumption Discovery and Verification Derivation from Library Document for API Misuse Detection.**

Tao Lv, [Ruishi Li](#), Yi Yang, Kai Chen, Xiaojing Liao, XiaoFeng Wang, Peiwei Hu and Luyi Xing. In *Proceedings of the ACM Conference on Computer and Communications Security (CCS)*, November, 2020.

[3] **The Inconsistency of Documentation: A Study of Online C Standard Library Documents.**

[Ruishi Li](#), Yunfei Yang, Jinghua Liu, Peiwei Hu, Guozhu Meng. *CyberSecurity* **5**, 14 (2022). <https://doi.org/10.1186/s42400-022-00118-9>

INTERNSHIP EXPERIENCES

Deloitte, Wuhan, China July 2018 - Aug. 2018

Tax and Business Advisory Department: developing the financial system for Dongfeng Motor Co. Ltd.

TEACHING

CS3235 Computer Security, NUS SoC 2022/2023 Sem 2

CS3235 Computer Security, NUS SoC 2023/2024 Sem 2

PROJECT EXPERIENCE

Defense of End-to-end Voiceprint Recognition Based on Synthetic Speech detection . . . Jan. 2019 - Apr. 2019

- Test the attack effect of Tacotron2 synthesized speech and ASVspoof2015 synthesized speech on GE2E voiceprint recognition system.
- Propose a new phase-frequency feature LSTM-P and trained a machine learning-based synthetic speech detector.
- Achieve the accuracy of 97.2% when detecting synthetic speech.

The Real-time Miner Hunter Mar. 2018 - July 2018

- Implement a real-time detector for mining software on the Windows platform.
- Integrate the results of three detection modules (data packet structure matching, traffic model detection, and instruction sequence matching).
- Show real-time monitoring results through the UI interface and provide whitelist and interception functions.

HONORS AND AWARDS

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| Merit Student , University of Chinese Academy of Sciences (20%, 71/347) | 2020 |
| Outstanding Graduates , Wuhan University | 2019 |
| First-class Scholarship for Outstanding Students , Wuhan University (5%) | 2018 |
| First Class Prize , The 11th National College Student Information Security Contest (8%, 40/494) | 2018 |
| Tianyuan Dic Scholarship , Wuhan University | 2018 |
| Merit Student , Wuhan University (10%) | 2016, 2017, 2018 |
| Second-class Scholarship for Outstanding Students , Wuhan University (15%) | 2016 |
| Freshman Second-class Scholarship , Wuhan University | 2015 |