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

Code Translation, Large Language Models and Agents, Software Security

PUBLICATIONS

[1] **Adversarial Agent Collaboration for C to Rust Translation.**
Tianyu Li, Ruishi Li, Bo Wang, Brandon Paulsen, Umang Mathur, Prateek Saxena.
(Under review) Arxiv.

[2] **Program Skeletons for Automated Program Translation.**
Bo Wang*, Tianyu Li*, Ruishi Li, Umang Mathur, Prateek Saxena.
46th ACM SIGPLAN Conference on Programming Language Design and Implementation (**PLDI25**), June,
2025.

[3] **Translating C To Rust: Lessons from a User Study.**
Ruishi Li*, Bo Wang*, Tianyu Li, Prateek Saxena, Ashish Kundu.
32nd Annual Network and Distributed System Security (NDSS) Symposium (**NDSS25**), February, 2025.

[4] **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.

[5] **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.

[6] **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

HONORS AND AWARDS

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