

Fuman XIE

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 Research Profile: <https://xie00059.github.io/>

Education

- 2022 – Present **Doctor of Philosophy in Computer Science (Year 2)**
 The University of Queensland, Australia
 Research Area: Software Privacy & Software Testing
 Supervisor: A/Prof. Guangdong Bai
- 2021 **Master of Engineering in Software Field**
 The University of Queensland, Australia
- 2016 – 2020 **Bachelor of Software Engineering (Hons)**
 The University of Queensland, Australia

Academic Achievements

- Scholarships **SMeW Scholarship**
 The IEEE/ACM International Conference on Software Engineering (ICSE'23)
- ACM SIGSOFT CAPS Scholarship**
 The IEEE/ACM International Conference on Automated Software Engineering (ASE'22)
- Waseda Summer Session Scholarship**
 The University of Queensland
- Awards **Best Paper Runner-Up**
 The International Conference Advanced Data Mining and Applications (ADMA'21)
- Dean's Commendation for Academic Excellence**
 The University of Queensland

Publications

- c1 **F. Xie**, Y. Zhang, C. Yan, S. Li, L. Bu, K. Chen, Z. Huang, G. Bai “Scrutinizing privacy policy compliance of virtual personal assistant apps”, *37th IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2022
- c2 **F. Xie**, Y. Zhang, H. Wei, G. Bai, “UQ-AAS21: A comprehensive dataset of amazon alexa skills”, *17th International Conference Advanced Data Mining and Applications (ADMA)*, 2021, p.159–173
- c3 C. Yan, **F. Xie**, H. Meng, Y. Zhang, G. Bai, “On the quality of privacy policy documents of virtual personal assistant”, *24rd Privacy Enhancing Technologies Symposium (PoPETs)*, 2024
- c4 (Under Review) **F. Xie**, H. Meng, S. Teng, C. Yan, Y. Zhang, G. Bai, “Checking consistency between VPA apps’ functional documentation and data collection behaviors”, *submitted to 38th IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2023

Research Community Services

Program Committee Member	The Network and Distributed System Security Symposium (NDSS'24) The IEEE/ACM International Conference on Software Engineering (ICSE'24) The International Conference on Mining Software Repositories (MSR'23)
Reviewer	Reviewer in the Artifact Evaluation-track (NDSS'24) Reviewer in the Artifact Evaluation-track (ICSE'24) Reviewer in the Junior PC-track (MSR'23) Sub reviewer (IJCAI'23, ASE'23, NDSS'24, ICSE'24)
Organization Volunteer	The IEEE/ACM International Conference on Software Engineering (ICSE'23) The International Conference Advanced Data Mining and Applications (ADMA'22)
Student Thesis Mentor	The University of Queensland

Research Projects

2022 – Present (ongoing)	Privacy Assessment and Enhancement of Virtual Personal Assistant Apps Conduct privacy analysis on Virtual Personal Assistant Apps to promote the development of VPA ecosystem
2022	Conducting Large Scale Study on Virtual Personal Assistant Ecosystem Maintain, update existing of UQ-AAS21 dataset, and analyze the dataset
2021	UQ-AAS21: Constructing Large Dataset for Virtual Personal Assistant Applications Target on Amazon Alexa skills and collect skills data and construct a comprehensive large dataset

Referee

A/Prof. Guangdong Bai

Associate Professor

School of Information Technology and Electrical Engineering

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