

KAIXUAN LUO

✉ kaixuan@ie.cuhk.edu.hk · 🏠 kevinluo2000.github.io

🎓 EDUCATION

The Chinese University of Hong Kong (CUHK), Hong Kong SAR, China 2022 – Now

4th year PhD candidate, Department of Information Engineering (IE)

- Research Interest: Web Security, Authorization Protocol Security
- GPA: 3.91/4.00
- Supervisor: Prof. Wing Cheong LAU

Huazhong University of Science and Technology (HUST), Wuhan, China 2018 – 2022

BEng in Information Security, School of Cyber Science and Engineering (CSE)

- Courses Taken: CS core curriculum & Specialized courses in Cybersecurity
- GPA: 3.92/4.00; TOEFL: 114/120; Graduation with Honorary degree
- Supervisor: Prof. Ming WEN

📖 PUBLICATIONS

[1] Demystifying the (In)Security of OAuth-based Account Linking in Connector Ecosystems

📌 Acknowledgments from MICROSOFT, AMAZON, BYTEDANCE, N8N
[Kaixuan Luo](#), [Xianbo Wang](#), [Pui Ho Adonis Fung](#), [Wing Cheong Lau](#)

To appear in the 47th IEEE Symposium on Security and Privacy (S&P), May 2026

Acceptance Rate: 253/1,995 = 12.7%.

[2] Universal Cross-app Attacks: Exploiting and Securing OAuth 2.0 in Integration Platforms

📌 Acknowledgments from MICROSOFT, GOOGLE, AMAZON, OPENAI; CVE-2023-36019 (CVSS: 9.6)
[Kaixuan Luo](#), [Xianbo Wang](#), [Pui Ho Adonis Fung](#), [Wing Cheong Lau](#), [Julien Lecomte](#)

In the 34th USENIX Security Symposium, August 2025.

Acceptance Rate: 407/2,385 = 17.1%.

[3] SWIDE: A Semantic-aware Detection Engine for Successful Web Injection Attacks

[Ronghai Yang](#), [Xianbo Wang](#), [Kaixuan Luo](#), [Xin Lei](#), [Ke Li](#), [Jiayuan Lin](#), [Wing Cheong Lau](#)

In Procs. of ACM Conference on Computer and Communications Security (CCS), October 2024.

Acceptance Rate: 328/1,964 = 16.7%.

[4] Living a Lie: Security Analysis of Facial Liveness Detection Systems in Mobile Apps

[Xianbo Wang](#), [Kaixuan Luo](#), [Wing Cheong Lau](#)

In International Conference on Applied Cryptography and Network Security (ACNS), March 2024.

Acceptance Rate: 54/230 = 23.5%.

[5] Effective Isolation of Fault-Related Variables via Statistical and Mutation Analysis

[Ming Wen](#), [Zifan Xie](#), [Kaixuan Luo](#), [Xiao Chen](#), [Yibiao Yang](#), and [Hai Jin](#)

In Transactions on Software Engineering (TSE), 2023.

📖 STANDARDIZATION

Updates to OAuth 2.0 Security Best Current Practice

[Tim Würtele](#), [Pedram Hosseini](#), [Kaixuan Luo](#), and [Adonis Fung](#)
draft-ietf-oauth-security-topics-update-01, **IETF Internet-Draft**. Work in Progress, March 2026.

TALKS

Black Hat USA 2025 , Main Speaker	August 2025
Back to the Future: Hacking and Securing Connection-based OAuth Architectures in Agentic AI and Integration Platforms	Las Vegas, USA
OAuth Security Workshop 2025 , Speaker	February 2025
Cross-app OAuth Attacks in Integration Platforms: Mix-up Attacks Reloaded	Reykjavik, Iceland
Black Hat USA 2024 , Main Speaker	August 2024
One Hack to Rule Them All: Pervasive Account Takeovers in Integration Platforms for Workflow Automation, Virtual Voice Assistant, IoT, & LLM Services	Las Vegas, USA
Black Hat USA 2023 , Co-speaker	August 2023
The Living Dead: Hacking Mobile Face Recognition SDKs with Non-Deepfake Attacks	Las Vegas, USA

SERVICES

ACM CCS, Artifact Evaluation Committee	2025
USENIX Security, Artifact Evaluation Committee	2025, 2026

INTERN EXPERIENCE

Samsung Research America	Summer 2023 & 2024
Security Analysis and Engineering of Samsung's AI Assistant, Bixby	Mountain View, USA
Sangfor Technologies	December 2021 - April 2022
Symbolic Execution for Web Shell Detection	Shenzhen, China

AWARDS

- ACM CCS Top Artifact Reviewers Award 2025
- USENIX Security Distinguished Artifact Reviewer Award 2025
- HKSAR Reaching Out Award 2025
- National Scholarship (Top 0.2% Nationwide) 2021
- National College Student Information Security Contest - Capture the Flag (CTF) 2nd Prize, 2019 & 2020

TEACHING ASSISTANT

FTEC5640	Decentralized Finance	Spring 2026
IERG2080	Introduction to Systems Programming	Spring 2025
IERG4130	Introduction to Cyber Security	Fall 2024
IERG4004	E-payment Systems and Cryptocurrency Technologies	Spring 2024
IERG4300	Web-Scale Information Analytics	Spring & Fall 2023, Fall 2025
ENGG1110	Problem Solving By Programming	Fall 2022