Liangqin Ren

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Education

University of Kansas	Aug 2021 – Jul 2026 (Expected)
Ph.D. in Computer Science, aavised by Professor Fengjun Li and Bo Luo University of Chinese Academy of Sciences	Aug 2017 – Jul 2020
M.Eng. in Computer Technology Shandong University of Science and Technology B.Eng. in Network Engineering	Aug 2013 – Jul 2017
Publications	
 Liangqin Ren, Zeyan Liu, Fengjun Li, Kaitai Liang, Zhu Li, and Bo L Multi-Party Computation Framework for Deep Learning using Partial D Privacy Enhancing Technologies Symposium (PETS), Bristol, UK, 2024 X. Xu, Q. Cai, J. Lin, S. Pan and L. Ren. Enforcing Access Control in Systems. 2019 IEEE International Conference on Multimedia and Expo Liangqin Ren, Wei Wang, Qiongxiao Wang, Linli Lu. A New Cloud C Architecture and Implementation[J]. Netinfo Security, 2019, 19(9): 91-95 	uo. PrivDNN: A Secure DNN Encryption. In the 24th Distributed Version Control (ICME), Shanghai, China, 2019. ryptographic Computing Platform 5.
SERVICES	
External Reviewer: International Conference on Knowledge Science, Engineerin Moderator: International Conference on Security and Privacy in Communication	g and Management (KSEM) 2024 Networks (SecureComm) 2022
Project Experience	
 Secure Multi-Party Computing Framework with Partial Homomorphic I Implemented four schemes for core neuron selection on five datasets. Implemented frameworks protecting models with homomorphic encryption based on the second sec	Encryption Jan 2022 – Feb 2024 ased on core neuron selection.
 Demonstrated protection robustness against malicious clients and servers. Protect Portrait Privacy against DeepFake Designed the GAN-based protection generator against DeepFake. Improved protection generator model with neural architecture search. Demonstrated protection robustness against three kinds of DeepFake attacks. 	Feb 2024 – Present
 Demonstrated protection robustness against timee kinds of DeepFake attacks. Create and Detect Images Generated by AIGC Implemented scripts to generate AIGC pictures in five fields. 	Oct 2023 – Present
Employment History	
University of Kansas , Graduate Teaching Assistant Taught labs, guided projects, and grade for EECS 348 (448) Software Engine	Spring & Fall, 2022 – 2024
 Taught fabs, guided projects, and grade for EECS 546 (446) Software Engine University of Kansas, Graduate Research Assistant Worked on projects about machine learning security. 	Summer, $2021 - 2023$
 Baidu Corporation, Software Development Intern Developed Baidu translation software development kits for mobile devices. Developed cross-compilation framework between X86 and embedding platform 	Jan – May, 2021 ns.
Honors and rewards	
CANSec Travel Grant Award	2022
Honors Graduate (Rank 1/48), Shandong University of Science and Tec	hnology 2017
Skills	

Languages: C/C++, Python Frameworks: PyTorch