

LI Tsz On (John)

Email: litszonjohn@gmail.com

Phone: 852-60375808

EDUCATION

The University of Hong Kong (HKU)

M.Phil. in Computer Science

Research focus: Artificial Intelligence, Big Data, Cyber Security

Hong Kong

Sep 2019 - Aug 2021

Bachelor of Science

Major in Risk Management and Computer Science

Sep 2014 - Aug 2019

The Hong Kong University of Science and Technology (HKUST)

Ph.D. in Computer Science

Research focus: Artificial Intelligence, Software Engineering, Big-data System

Hong Kong

Sep 2021 - (Aug 2024)

WORK & RESEARCH EXPERIENCES

Theory Lab, HUAWEI

External Researcher

Designed two AI systems for HUAWEI CLOUD

My works were incorporated into HUAWEI's Federated Learning products

Hong Kong

Sep 2019 - Aug 2021

System Group, Department of Computer Science, HKU

Research Assistant

Designed and implemented six software for AI/Big-data/Cloud Computing/Cyber Security

Co-authored six papers and two patents (commercialized by HUAWEI CLOUD)

Hong Kong

June 2017 - Aug 2021

PUBLICATIONS

Tsz On Li, Jianyu Jiang, Ji Qi, Chi Chiu So, Jiacheng Ma, Xusheng Chen, Tianxiang Shen, Heming Cui, Yuexuan Wang, and Peng Wang, UPA: An Automated, Accurate and Efficient Differentially Private Big-data Mining System, Proceedings of the 50th IEEE/IFIP International Conference on Dependable Systems and Networks

Chi Chiu So, **Tsz On Li**, Chufang Wu, Siu Pang Yung, Differential Spectral Normalization (DSN) for PDE Discovery, Proceedings of the AAAI Conference on Artificial Intelligence, Accepted

Weiwei Jia, Jianchen Shan, **Tsz On Li**, Heming Cui, and Xiaoning Ding, vSMT-IO: Improving I/O Performance and Efficiency on SMT Processors in Virtualized Clouds, Proceedings of the 2020 USENIX Annual Technical Conference

Jianyu Jiang, Xusheng Chen, **Tsz On Li**, Cheng Wang, Tianxiang Shen, Shixiong Zhao, Heming Cui, Cho-Li Wang, and Fengwei Zhang, Uranus: Simple, Efficient SGX Programming and Its Applications, Proceedings of the 15th ACM ASIA Conference on Computer and Communications Security

Jiewen Hai, Cheng Wang, Xusheng Chen, **Tsz On Li**, Heming Cui, Sen Wang, Fulva: Efficient Live Migration for In-memory Key-Value Stores with Zero Downtime, Proceedings of the 38th IEEE International Symposium on Reliable Distributed Systems 2019

Shixiong Zhao, Rui Gu, Haoran Qiu, **Tsz On Li**, Yuexuan Wang, Heming Cui, Junfeng Yang, OWL: Understanding and Detecting Concurrency Attacks, Proceedings of the 48th IEEE/IFIP International Conference on Dependable Systems and Networks 2018

PATENTS

Tsz On Li, Jianyu Jiang, Ji Qi, Chi Chiu So, Heming Cui, Sen Wang, Peng Wang, Gong Zhang, An Automated, Accurate and Efficient Differentially Private Big-data Mining System, transferred to HUAWEI and awarded "High Potential Value Patent" title (Ref. num: 202010506698.X)

Jianyu Jiang, Xusheng Chen, **Tsz On Li**, Cheng Wang, Heming Cui, Sen Wang, Peng Wang, Gong Zhang, An Efficient Big-data Processing Runtime Environment Based On Trusted Execution Environment, transferred to HUAWEI and awarded "High Potential Value Patent" title (Ref. num: 202010366539.4)