LI Tsz On (John)

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EDUCATION

The University of Hong Kong (HKU)   Hong Kong

  M.Phil. in Computer Science   Sep 2019 - Aug 2021

  Research focus: Artificial Intelligence, Big Data, Cyber Security

  Bachelor of Science   Sep 2014 - Aug 2019

  Major in Risk Management and Computer Science

WORK & RESEARCH EXPERIENCES

Theory Lab, HUAWEI   Hong Kong

External Researcher   Sep 2019 - Aug 2021

  Designed two Big-data systems for HUAWEI CLOUD

  My works were incorporated into HUAWEI's Trusted Intelligent Computing Service

System Group, Department of Computer Science, HKU   Hong Kong

Research Assistant   June 2017 - Aug 2021

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

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

PUBLICATIONS

So, Chi Chiu, **Tsz On Li**, Chufang Wu, and Siu Pang Yung. "Differential Spectral Normalization (DSN) for PDE Discovery." In Proceedings of the AAAI Conference on Artificial Intelligence 2021

Chen, Xusheng, Shixiong Zhao, Ji Qi, Jianyu Jiang, Haoze Song, Cheng Wang, **Tsz On Li**, Hubert Chan, Fengwei Zhang, Xiapu Luo, Sen Wang, Gong Zhang, Heming Cui. "Efficient and DoS-resistant Consensus for Permissioned Blockchains." Performance Evaluation 2021

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 2020

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 2020

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)

Tsz On Li, Huang Dong, Heming Cui, Sen Wang, Chen Li, Gong Zhang, An Automated, Accurate and Efficient Deep Learning System Testing Workflow, being processed by HUAWEI

Tsz On Li, Huang Dong, Heming Cui, Sen Wang, Chen Li, Gong Zhang, An Automated, Accurate and Efficient Deep Learning System Testing Workflow, being processed by HUAWEI