[CHENGJUN CAI] | [Curriculum Vitae]

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Current Position held in Organization

Ph.D. student in the Department of Computer Science, City University of Hong Kong

Academic/Professional Qualifications

June 2016, B.S., in Computer Science and Technology, Jinan University, Guangzhou, China

Working Experience

[Research Assistant] — [City University of Hong Kong] [Sept. 2016] — [Sept. 2017]

Research Interests

Distributed network applications, cryptocurrency, and trustworthy outsourced computations.

Publications

1. **Chengjun Cai**, Xingliang Yuan, Cong Wang, "Towards Trustworthy and Private Keyword Search in Encrypted Decentralized Storage", ***in IEEE International Conference on Communications 2017 (ICC 17')***, Paris, France, 2017.
2. **Chengjun Cai**, Xingliang Yuan, and Cong Wang, "Hardening Distributed and Encrypted Keyword Search via Blockchain", ***in the 1st IEEE Symposium on Privacy-Aware Computing* (*PAC'17*)**, Washington, USA, 2017.
3. Shengshan Hu, **Chengjun Cai**, Qian Wang, Cong Wang, Luo Xiangyang, and Kui Ren, "Searching an Encrypted Cloud Meets Blockchain: A Decentralized, Reliable and Fair Realization", ***in the 37th International Conference on Computer Communications (INFOCOM'18)***, Honolulu, HI, USA, 2018.
4. **Chengjun Cai**, Yifeng Zheng, and Cong Wang, "Leveraging Crowdsensed Data Streams to Discover and Sell Knowledge: A Secure and Efficient Realization", ***in the 38th International Conference on Distributed Computing Systems (ICDCS' 18)***, Vienna, Austria, 2018.

Manuscripts in Submission

1. **Chengjun Cai**, Jian Weng, Xingliang Yuan, and Cong Wang, "Enabling Reliable Keyword Search in Encrypted Decentralized Storage with Fairness", ***IEEE Transactions on Dependable and Secure Computing (TDSC)***, in **Major Revision**, 2018.
2. Xingliang Yuan, **Chengjun Cai**, Cong Wang, Qian Wang, and Qi Li, "Towards a Blockchain-assisted Searchable Datastore for Encrypted IoT Data", Submitted, 2018.

On-going Research Projects

1. Enabling Trustworthy and Privacy-preserving Search Services in Encrypted Blockchain Applications (ITS/168/17)
2. Achieving Similarity Join Services for Outsourced Large Encrypted Datasets (ITS/307/15)