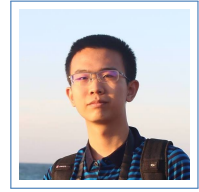# Chenxing Li

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Introduction

I recently joined Shanghai TreeGraph Blockchain Research Institute as a researcher in 2022.

Previously, I received my Ph.D. degree from Tsinghua University (2017-2022), where I was fortunately advised by professor Andrew C. Yao. I received my bachelor's degree in Yao Class at Tsinghua University (2013 - 2017).

Since 2018, I've been an integral developer for the Conflux blockchain system, designing its core features and contributing to key developments such as PoW/PoS hybrid consensus, multi-space interaction, and on-chain governance.

Presently, I dedicate my research to bolstering the security and performance of blockchain systems, with an interest in the application of cryptographic protocols within these systems.

Working Experience

Jul.2022– **Shanghai TreeGraph Blockchain Research Institute**.
- Researcher
- Research and development related to high-performance blockchain system.

Education

Aug.2017– **Tsinghua University**.
Jun.2022
- Ph.D. in Computer Science
- Supervided by Professor Andrew C. Yao

Aug.2013– **Tsinghua University**.
Aug.2017
- B.S. in Computer Science
- Enrolled in Yao Class, a special pilot CS program led by Professor Andrew C. Yao for talented students.

Publications

Chenxing Li, Sidi Mohamed Beillahi, Guang Yang, Ming Wu, Wei Xu, Fan Long. "LVMT: An Efficient Authenticated Storage for Blockchain" *USENIX Symposium on Operating Systems Design and Implementation*, 2023

Chenxing Li, Yang Yu, Andrew Chi-Chih Yao, Da Zhang, and Xiliang Zhang. "An Authenticated and Secure Accounting System for International Emissions Trading." *Climate Policy 22, no. 9-10*, 2022

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Helene Haagh, Yue Ji, **Chenxing Li**, Claudio Orlandi and Yifan Song, "Revealing Encryption for Partial Ordering," *IMA International Conference on Cryptography and Coding*, 2017

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