

# Junru Li

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## Education

<b>Institute for Interdisciplinary Information Sciences, Tsinghua University</b> <i>Ph.D Student in Computer Science and Technology</i> advisor: Yifan Song	2024.8 – present GPA:3.94/4
<b>Institute of Mathematical Sciences (IMS), ShanghaiTech University</b> <i>Bachelor of Science in Mathematics and Applied Mathematics</i>	2020.9 – 2024.7 GPA:3.80/4

## Research Interest

My research interest is theoretical cryptography, with a special focus on secure multi-party computation.

## Publications

Authors are listed in **Alphabetical Order** (unless stated otherwise).

1. *Faster Gradient Methods for Highly-Smooth Stochastic Bilevel Optimization*

Lesi Chen, **Junru Li**, El Mahdi Chayti, Jingzhao Zhang (*contribution order*)

**ICLR 2026**

2. *Honest Majority Constant-Round MPC with Linear Communication from One-Way Functions*

**Junru Li**, Yifan Song

**TCC 2025**

3. *Towards Building Scalable Constant-Round MPC from Minimal Assumptions via Round Collapsing*

Vipul Goyal, **Junru Li**, Rafail Ostrovsky, Yifan Song

**CRYPTO 2025**

4. *Constant-Round Asynchronous MPC with Optimal Resilience and Linear Communication*

**Junru Li**, Yifan Song

**CRYPTO 2025**

5. *Efficient Information-Theoretic Distributed Point Function with General Output Groups*

**Junru Li**, Pengzhen Ke, Liang Feng Zhang (*contribution order*)

**Designs, Codes, and Cryptography**

6. *Dishonest Majority Constant-Round MPC with Linear Communication from DDH*

Vipul Goyal, **Junru Li**, Ankit Kumar Misra, Rafail Ostrovsky, Yifan Song, Chenkai Weng

**ASIACRYPT 2024**

7. *Linear-Communication Asynchronous Complete Secret Sharing with Optimal Resilience*

Xiaoyu Ji, **Junru Li**, Yifan Song

**CRYPTO 2024**

## Teaching

- Teaching Assistant to Prof. Junwu Tu in MATH 1233 *Introduction to Topology*, Fall 2023, ShanghaiTech University
- Teaching Assistant to Prof. Zheng Zhang in MATH 1224 *Abstract Algebra*, Spring 2023, ShanghaiTech University

## Experiences

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- External Reviewer: ASIACRYPT 2024, ASIACRYPT 2025, TCC 2025
- Research Intern, ShanghaiTech University, advised by Prof. Liang Feng Zhang (2022.7 - 2023.7)
- Online Research Intern, Peking University, advised by Prof. Tianren Liu (2023.4 - 2023.6)

## Awards

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- First-Class Scholarship (Lingjun Leadership Scholarship), Tsinghua University 2024
- Presidential Scholarship, ShanghaiTech University 2024
- Outstanding Graduate of ShanghaiTech University 2024
- Shanghai Scholarship 2023
- Outstanding Student of ShanghaiTech University 2022
- Merit Student of ShanghaiTech University 2021