

# 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).

- Faster Gradient Methods for Highly-Smooth Stochastic Bilevel Optimization*  
Lesi Chen, **Junru Li**, El Mahdi Chayti, Jingzhao Zhang (*contribution order*)  
**ICLR 2026**
- Honest Majority Constant-Round MPC with Linear Communication from One-Way Functions*  
**Junru Li**, Yifan Song  
**TCC 2025**
- Towards Building Scalable Constant-Round MPC from Minimal Assumptions via Round Collapsing*  
Vipul Goyal, **Junru Li**, Rafail Ostrovsky, Yifan Song  
**CRYPTO 2025**
- Constant-Round Asynchronous MPC with Optimal Resilience and Linear Communication*  
**Junru Li**, Yifan Song  
**CRYPTO 2025**
- Efficient Information-Theoretic Distributed Point Function with General Output Groups*  
**Junru Li**, Pengzhen Ke, Liang Feng Zhang (*contribution order*)  
**Designs, Codes, and Cryptography**
- 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**
- 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 |