# **Curriculum Vitae**

### **Zhongtang Luo**

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### Contact

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Education		
Purdue University Ph.D., Computer Science		2021–now Advisor: Aniket Kate
<b>Purdue University</b> M.S., Computer Science (GPA: 3.9)		2021–2024 Advisor: Aniket Kate
Shanghai Jiao Tong University B.S., Computer Science (Zhiyuan Honors Program)		2016–2020
Experiences		
Meta Platforms, Inc. Intern (Applied Privacy Team)		2024
University of California, Berkeley Visiting Student (Keystone Enclave)		2019 Advisor: Dawn Song
Publications		
Acceptance rates are marked in Italic.		
Cauchyproofs: Batch-Updatable Vector Commitment with Easy Age Blockchains Zhongtang Luo, Yanxue Jia, Alejandra Victoria Ospina Gracia, Aniket	gregation and Application	to Stateless [IEEE SP'25] 257/1740 (14.8%)
Sharding SMR with Optimal-size Shards for Highly Scalable Block Jianting Zhang, Zhongtang Luo, Raghavendra Ramesh, Aniket Kate	chains	[VLDB'25]
<b>Proxying is Enough: Security of Proxying in TLS Oracles and AEA</b> <b>Zhongtang Luo</b> , Yanxue Jia, Yaobin Shen, Aniket Kate <i>Result mentioned and used in Reclaim Protocol</i>	D Context Unforgeability	<b>[SBC'24]</b> 29/208 (13.9%)
Attacking and Improving the Tor Directory Protocol Zhongtang Luo, Adithya Bhat, Kartik Nayak, Aniket Kate Plugin merged in Tor codebase		<b>[IEEE SP'24][RWC'25]</b> 258/1449 (17.8%) 43/138 (31.2%)
Last Mile of Blockchains: RPC and Node-as-a-service Zhongtang Luo, Rohan Murukutla, Aniket Kate		[IEEE TPS'22]
RandPiper — Reconfiguration-Friendly Random Beacons with Qua Adithya Bhat, Nibesh Shrestha, Zhongtang Luo, Aniket Kate, Kartik Na	dratic Communication ayak	[ACM CCS'21] 196/879 (22.3%)

#### Miscellaneous

Curriculum Design of Competitive Programming: a Contest-based Approach Zhongtang Luo	[arXiv]
ICLR Points: How Many ICLR Publications Is One Paper in Each Area? Zhongtang Luo	[arXiv]
Results available at https://cspubs.org/	

## Projects

CSPubs: How Many ICLR Publications Is One Paper in Each Area?	https://cspubs.org/
cp-reference: Competitive Programming Reference	https://github.com/zhtluo/cp-reference/
A Tor Consensus Monitor that Detects Equivocation	https://gitlab.torproject.org/zhtluo/depictor
OrgAn: Organizational Anonymity with Low Latency	https://github.com/zhtluo/organ

## Talks

Proxying is Enough: Security of Proxying in TLS Oracles and AEAD Context Unforgeability
Science of Blockchain Conference
Attacking and Improving the Tor Directory Protocol

Purdue CS Graduate Symposium	2025
IEEE Symposium on Security and Privacy	2024
• UIUC CS 591 SP, Security and Privacy (Seminar)	2023
Last Mile of Blockchains: RPC and Node-as-a-service	
• Purdue CS 59100, Blockchains: Theory to Practice (Seminar)	2022

## Mentoring

Mentored undergraduate students from various outreach programs at Purdue:

- Alejandra Victoria Ospina Gracia (Universidad San Francisco de Quito)
- Akshat Neerati (Purdue University)

## Teaching

<b>CS 41100, Competitive Programming III (Spring 2025) (Instructor)</b> In charge of course design & delivery, students advanced to ICPC North America Champions	Purdue University, 2025
<b>CS 41100, Competitive Programming III (Spring 2024) (Instructor)</b> In charge of course design & delivery, students advanced to ICPC World Finals 2022 (held in	Purdue University, 2024 a 2024)
CS 31100, Competitive Programming II (Fall 2023) (Instructor)	Purdue University, 2023
CS 25100, Data Structures & Algorithms (Fall 2021) (Teaching Assistant)	Purdue University, 2021
Programming Contest (Instructor)	Children's Palace in Shanghai, 2015–2019

### Services

CVC (Crypto Valley Conference) 2025	
ACM TOIT 2023, 2024	

2024

#### ACM CCS 2022

### Activities

#### **Competitive Programming**

- Active participant in Codeforces (handle: zhtluo)
- Silver award in ACM ICPC World Finals 2018
- Gold award in ACM ICPC Asia East Continent League (EC Final) 2017 & 2018

Shanghai Jiao Tong University Undergraduate Outstanding Scholarship

Gold award in China Collegiate Programming Contest Final (CCPC Final) 2017 & 2018

#### Capture the Flag (CTF)

First place in Raymond James CTF 2023	USD 10000
Third place in HackIN 2021	USD 1000
Other Awards	

#### Skills

Languages: Chinese (Native), Japanese (JLPT N1)

Programming: Python, C, C++, Rust, Java, JavaScript

External Reviewer

2017-2019