

ZHOUYU LI

◇ zli85@ncsu.edu ◇ +1 404-488-5437 ◇ lizhouyu.github.io
2259, Engineering Building II
890 Oval Dr ◇ Raleigh, North Carolina 27606



EDUCATION





North Carolina State University *Aug. 2021 - Present*
Doctor of Philosophy in Computer Science



Georgia Institute of Technology *Aug. 2019 - Dec. 2020*
Master of Science in Electrical and Computer Engineering


Central South University *Sep. 2015 - Jun. 2019*
Bachelor of Engineering in Electronic Information Engineering



RESEARCH EXPERIENCE

Research Assistant, NSCU *2023 - present*
· Advisor: Dr. Ruozhou Yu |  ruozhouy.github.io |  ryu5@ncsu.edu
· Topics: Network Optimization, Microservices, Privacy-preserving Mobile-edge Computing



Research Assistant, NSCU *2021 - 2023*
· Co-advisor: Dr. Anupam Das |  anupamdas.org |  anupam.das@ncsu.edu
· Co-advisor: Dr. Ruozhou Yu |  ruozhouy.github.io |  ryu5@ncsu.edu
· Topics: Privacy-preserving Data Transformation, Video/Image Processing, Data Encoding



Research Assistant, Georgia Tech *2020 - 2021*
· Advisor: Dr. Sauvik Das |  sauvikdas.com |  sauvik@cmu.edu
· Topics: Tangible Security, Image Steganography, Human-computer Interaction

Undergraduate Researcher, Central South University *2019*
· Advisor: Dr. Guoming Zhi |  guomingzhi@csu.edu.cn
· Topics: Image Steganography, Image Processing

RoboCup Competition Team Leader, Central South University *2018-2019*
· Advisor: Dr. Jun Peng |  faculty.csu.edu.cn/pengjun1/en/index.htm |  pengj@csu.edu.cn
· Competition and Award: 2D Soccer Simulation, 2018 China National Runner-up
· Topics: Multi-agent Control

TEACHING AND MENTORING

Project Mentor, NSCU *2023 - present*
Microservice Profiling with Distributed Tracing and Kubernetes
· Director: Dr. Ruozhou Yu |  ruozhouy.github.io |  ryu5@ncsu.edu
· Master's Students: Zijun Lu
· Undergraduates: Xiaochun Liang, Obblivignes KanchanadeviVenkataraman, Ramya Sai Mullapudi

Teaching Assistant, NCSU *2021 Fall*
CSC 533 - Privacy in the Digital Age
· Professor: Dr. Anupam Das |  anupamdas.org |  anupam.das@ncsu.edu

PROFESSIONAL ACTIVITIES

IEEE Internet of Things Journal (IOT) <i>Reviewer</i>	2023
IEEE/ACM Transactions on Networking (TON) <i>Reviewer</i>	2023
IEEE Transactions on Vehicular Technology (TVT) <i>Reviewer</i>	2023
IEEE International Conference on High Performance Computing, Data, and Analytics (HiPC) <i>Reviewer</i>	2022
IEEE INFOCOM 2022 Workshop on Pervasive Network Intelligence for 6G Networks (PerAI-6G) <i>TPC Member</i>	2022

PUBLICATIONS

Dynamic Queuing Analysis and Buffer Management for Entanglement Swapping Buffers with Noise 2023

Zhouyu Li, Huayue Gu, Xiaojian Wang, Ruozhou Yu

- Accepted by ACM 1st Workshop on Quantum Networks and Distributed Quantum Computing (QuNet), co-located with ACM SIGCOMM 2023, 2023.

ESDI: Entanglement Scheduling and Distribution in the Quantum Internet 2023

Huayue Gu, Ruozhou Yu, Zhouyu Li, Xiaojian Wang, Fangtong Zhou

- Accepted by IEEE International Conference on Computer Communications and Networks (ICCCN), 2023.

INSPIRE: Instance-level Privacy-preserving Transformation for Vehicular Camera Videos 2023

Zhouyu Li, Ruozhou Yu, Anupam Das, Shaohu Zhang, Huayue Gu, Xiaojian Wang, Fangtong Zhou, Aafaq Sabir, Dilawer Ahmed, Ahsan Zafar

- Accepted by IEEE International Conference on Computer Communications and Networks (ICCCN), 2023.

FENDI: High-Fidelity Entanglement Distribution in the Quantum Internet 2023

Huayue Gu, Zhouyu Li, Ruozhou Yu, Xiaojian Wang, Fangtong Zhou, Jianqing Liu

- Under review.
- Gu and Li contributed equally to this paper.

VoicePM: A Robust Privacy Measurement on Voice Anonymity 2023

Shaohu Zhang, Zhouyu Li, Anupam Das

- In Proceedings of the 16th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec), 2023.

When and Why Do People Want Ad Targeting Explanations? Evidence from a Four-Week, Mixed-Methods Field Study 2022

Hao-Ping Lee, Jacob Logas, Stephanie Yang, Zhouyu Li, Nata Barbosa, Yang Wang, Sawvik Das

- Accepted by IEEE Symposium on Security and Privacy (IEEE S&P), 2023

Why Riding the Lightning? Equilibrium Analysis for Payment Hub Pricing 2022

Xiaojian Wang, Huayue Gu, Zhouyu Li, Fangtong Zhou, Ruozhou Yu, Dejun Yang

- Accepted by IEEE International Conference on Communications (ICC), 2022

FedAegis: Edge-Based Byzantine-Robust Federated Learning for Heterogeneous Data *2022*
Fangtong Zhou, Ruozhou Yu, Zhouyu Li, Huayue Gu, Xiaojian Wang

- Accepted by IEEE Global Communications Conference (GLOBECOM), 2022

Image DePO: towards gradual decentralization of online social networks using decentralized privacy overlays *2022*

Jacob Logas, Ari Schlesinger, Zhouyu Li, Sauvik Das

- In Proceedings of the ACM on Human-Computer Interaction, 2022

Bit Whisperer: Enabling Ad-hoc, Short-range, Walk-Up-and-Share Data Transmissions via Surface-restricted Acoustics *2021*

Youngwook Do, Siddhant Singh, Zhouyu Li, Steven R Craig, Phoebe J Welch, Chengzhi Shi, Thad Starner, Gregory D Abowd, Sauvik Das

- Accepted by the 34th Annual ACM Symposium on User Interface Software and Technology (UIST), 2021
- Do and Singh contributed equally to this paper.