

Yue Cui

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Education

City University of Hong Kong

Ph.D. in Computer Science (Supervisor: Dr.Man Hon Cheung)

Aug 2022 - Expected Jun 2026

Hong Kong SAR

University of Tennessee, Knoxville

Research Assistant in Mosis Lab (Supervisor: Dr.Jian Liu)

Sept 2021 - May 2022

Knoxville, Tennessee

University of Electronic Science and Technology of China (UESTC)

B.Eng in Computer Science and Technology ("Internet+" Elite Class), Double Major in Finance, GPA: 3.92/4.0

Sept 2017 - Jun 2021

Chengdu, Sichuan

Publications

1. [Yue Cui](#) and Man Hon Cheung. "The Price of Forgetting: Incentive Mechanism Design for Machine Unlearning." 2025 IEEE Transactions in Mobile Computing (TMC)
2. [Yue Cui](#), Ningning Ding, and Man Hon Cheung. "Aol-aware Federated Unlearning for Streaming Data with Online Client Selection and Pricing." 2025 IEEE International Conference on Computer Communications (INFOCOM'25) (Acceptance Rate: 18.6%)
3. Ni Yang, [Yue Cui](#), and Man Hon Cheung. "Contract Design for Adaptive Federated Learning." 2024 IEEE Global Communications Conference (GLOBECOM'24)
4. [Yue Cui](#) and Man Hon Cheung. "The Price of Forgetting: Data Redemption Mechanism Design for Machine Unlearning." 2024 IEEE International Conference on Communications (ICC'24)
5. [Yue Cui](#), Syed Irfan Ali Meerza, Zhuohang Li, Luyang Liu, Jiaxin Zhang, and Jian Liu. "RecUP-FL: Reconciling Utility and Privacy in Federated learning via User-configurable Privacy Defense." 2023 ACM Asia Conference on Computer and Communications Security (ASIA CCS'23) (Acceptance Rate: 17.1%)
6. Qinyun Chen, Chaohui Zheng, [Yue Cui](#), Yan-Ru Lin, Steven J. Zinkle. "A deep learning model for automatic analysis of cavities in irradiated materials." 2023 Computational Materials Science
7. [Yue Cui](#), Zhuohang Li, Luyang Liu, Jiaxin Zhang, Jian Liu. "Privacy-preserving speech-based depression diagnosis via federated learning." 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC'22) (Student Paper Competition Finalist)

Awards and Honors

- Research Tuition Scholarship (RTS), City University of Hong Kong, 2024 - 2025
- Research Activities Fund (RAF), City University of Hong Kong, \$30,000, 2025
- Student Travel Grant, IEEE ICC, \$1000, 2024
- Student Paper Competition Finalist, IEEE EMBC, Only 1 in North America, 2022
- Tennessee's Top 100 Fellowship, \$10,000 per year, University of Tennessee, 2021
- The Outstanding Student of 2019, School of Computer Science and Engineering, UESTC, 2019
- Merit-based Outstanding Student Scholarship, UESTC, 2018 - 2020

Teaching Experience

- Teaching Assistant of CS5222 Computer Network and Internets, CityU, 2023 & 2024 Fall
- Teaching Assistant of CS3402 Database Systems, CityU, 2023 - 2025 Spring
- Teaching Assistant of CS1302 Introduction to Programming, CityU, 2022 Fall
- Supervision of Final Year Project (FYP) Depression diagnosis via Federated Learning, UTK, 2021 Fall
- Teaching Assistant of Virtual Simulation of Unmanned Aerial Vehicle (UAV), UESTC, 2019 Spring