YUE CUI

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EDUCATION

City University of Hong Kong   Aug 2022 - Expected Aug 2026
Ph.D. Candidate, Computer Science (Advisor: Dr.Man Hon Cheung)   *Hong Kong SAR*
Northwestern University   Sept 2025 - Feb 2026
Visiting Student, Electrical and Computer Engineering (Advisors: Dr. Randall Berry and Dr. Ermin Wei)   *Evanston, IL, U.S.*
University of Tennessee, Knoxville   Sept 2021 - May 2022
Research Assistant, Electrical Engineering and Computer Science (Advisor: Dr.Jian Liu)   *Knoxville, TN, U.S.*
University of Electronic Science and Technology of China (UESTC)   Sept 2017 - Jun 2021
B.Eng., Computer Science and Technology ("Internet+" Elite Class), Double Major in Finance   *Chengdu, Sichuan, China*

SELECTED PUBLICATIONS

1. <u>Yue Cui</u>, Ningning Ding, and Man Hon Cheung. **"Verification Game in Machine Unlearning."** Under Review

2. <u>Yue Cui</u> and Man Hon Cheung. **"The Price of Forgetting: Incentive Mechanism Design for Machine Unlearning."** 2025 IEEE Transactions in Mobile Computing (TMC)

3. <u>Yue Cui</u>, Ningning Ding, and Man Hon Cheung. **"AoI-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%)

4. Ni Yang, <u>Yue Cui</u>, and Man Hon Cheung. **"Contract Design for Adaptive Federated Learning."** 2024 IEEE Global Communications Conference (GLOBECOM'24)

5. <u>Yue Cui</u> and Man Hon Cheung. **"The Price of Forgetting: Data Redemption Mechanism Design for Machine Unlearning."** 2024 IEEE International Conference on Communications (ICC'24)

6. <u>Yue Cui</u>, 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%)

7. <u>Yue Cui</u>, 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, $42,000, 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

TEACHING EXPERIENCE

- **Teaching Assistant** of CS3402 Database Systems, CityU, 2023 - 2025 Spring

- **Teaching Assistant** of CS5222 Computer Network and Internets, CityU, 2023 - 2024 Fall

- **Teaching Assistant** of CS1302 Introduction to Programming, CityU, 2022 Fall

- **Supervision of Final Year Project (FYP)** Depression diagnosis via Federated Learning, UTK, 2021 Fall