

Yurun Chen

👤 25 years old | Male | Suzhou, Jiangsu | CPC Member
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EDUCATION

- Beijing University of Technology - M.Sc. in Computer Technology Sep 2022 - Jul 2025
- GPA: **3.84/4.00** (Ranked 2nd in major)
 - Roles: [Class Academic Representative](#), [Party Branch Secretary](#)
 - Research Focus: [Decentralized storage auditing](#), [Blockchain applications](#)
- California State University, San Bernardino - B.Sc. in Computer Science (Sino-US Joint Program) Sep 2019 - Jul 2021
- GPA: **3.82/4.00** (Ranked 1st in major)
 - Role: [Director, Chinese Students Association \(Organization Department\)](#)
- Jiangsu University - B.Sc. in Computer Science and Technology Sep 2018 - Jul 2022
- GPA: **4.02/5.00** (Ranked 1st in major)
 - Graduate Admission: [Recommended for direct admission to BJUT](#)

PUBLICATIONS & PREPRINTS

1. **Yurun Chen**, Xavier Hu, Keting Yin, Juncheng Li, Shengyu Zhang, **Evaluating the Robustness of Multimodal Agents Against Active Environmental Injection Attacks**, in *ACM Multimedia (ACM MM)*, 2025. [\(Accepted\)](#) [\[Paper\]](#) (Multimodal Agents, Security, Adversarial Attacks)
2. Xiaohu Shan, Haiyang Yu, **Yurun Chen**, Yuwen Chen, Zhen Yang, **S2A-P2FS: Secure Storage Auditing With Privacy-Preserving Flexible Data Sharing in Cloud-Assisted Industrial IoT**, in *IEEE Transactions on Mobile Computing (TMC)*, 2025. [\(Accepted\)](#) [\[Paper\]](#) (Cloud IoT, Privacy, Storage Auditing)
3. Xueyu Hu, Tao Xiong, Biao Yi, Zishu Wei, Ruixuan Xiao, **Yurun Chen** etc., **OS Agents: A Survey on MLLM-based Agents for General Computing Devices Use**, in *Association for Computational Linguistics (ACL)*, 2025. [\(Accepted\)](#) [\[Paper\]](#) [\[Project\]](#) (OS Agents, Survey, LLM)
4. Haiyang Yu, **Yurun Chen**, Zhen Yang, Yuwen Chen, Shui Yu, **EDCOMA: Enabling Efficient Double Compressed Auditing for Blockchain-Based Decentralized Storage**, in *IEEE Transactions on Services Computing (TSC)*, 2024. [\(Accepted\)](#) [\[Paper\]](#) (Blockchain Storage, Auditing, Compression Optimization)
5. **Yurun Chen**, Haiyang Yu, Zhen Yang, Yuwen Chen, **ETA: Efficient Time-aware Auditing Scheme Supporting Batch Verification for Decentralized Storage**, in *Computer Networks (COMNET)*, 2025. [\(Under Review\)](#) (Batch Verification, Decentralized Storage)
6. **Yurun Chen**, Xavier Hu, Yuhan Liu, Keting Yin, Juncheng Li, Zhuosheng Zhang, Shengyu Zhang, **HarmonyGuard: Toward Safety and Utility in Web Agents via Adaptive Policy Enhancement and Dual-Objective Optimization**, *arXiv*, 2024. [\(Under Review\)](#) [\[Paper\]](#) [\[Code\]](#) (Web Agents, Safety, Multi-Agent)
7. Biao Yi, Xavier Hu, **Yurun Chen**, Shengyu Zhang, Hongxia Yang, Fan Wu, Fei Wu, **EcoAgent: An Efficient Edge-Cloud Collaborative Multi-Agent Framework for Mobile Automation**, *arXiv*, 2024. [\(Under Review\)](#) [\[Paper\]](#) (Mobile Agents, Edge Computing, Efficiency)

PATENTS & SOFTWARE COPYRIGHTS

- Efficient Double-Compression Integrity Verification for Distributed Storage – [Invention Patent, Under Review](#), No. [2023108213151](#)

- Zero-Knowledge Auditing with Retrievability for Decentralized Storage – [Invention Patent, No. 2024100563255](#)
- Time-aware Auditing with Digital Identity Support – [Invention Patent, No. 202410784866X](#)
- Decentralized Storage Auditing System – [Software Copyright, Reg. No. 2023SR1701157](#)
- ZKP-based Decentralized Storage System – [Software Copyright, Reg. No. 2024SR0276676](#)

PROJECTS

- NSFC General Program (No. 62271456): Public Opinion Mining from Complex Relational Big Data, ¥550k, [2023–2026](#)
- NSFC Major Program (No. 92167102): Anomaly Detection for Industrial Internet Data Security, ¥980k, [2022–2024](#)
- National Key R&D Plan (No. 2022YFB3103104): Discovery of Critical Data in Public Networks, ¥1.28M, [2023–2025](#)
- Beijing Natural Science Fund (No. 4232018): Continuous Integrity Auditing for Decentralized Storage, ¥200k, [2023–2025](#)

COMPETITIONS

- CCF & ATEC Blockchain Security and Privacy Innovation Contest (Top 15%) [Oct 2022 – Feb 2023](#)
- 18th China Graduate Electronic Design Competition – Second Prize [Jun 2023 – Aug 2023](#)

AWARDS

- [Outstanding Graduate of BJUT](#) (2025), [Top 100 Graduate](#)
- [Outstanding Graduate of Beijing Region](#) (2025)
- [Second Prize](#), BJUT Science & Technology Innovation Award (2025)
- [National Scholarship](#) (2024), [Xiaomi Scholarship](#) (2024)
- [Beijing Outstanding Student](#) (2024)
- Multiple awards as [Excellent Student](#), [Student Leader](#), [Party Member](#)
- [First-Class Academic Scholarships](#) in 2022, 2023, 2024
- [Dean's List](#) and Academic Excellence Certificate during U.S. studies
- Undergraduate honors: [Outstanding Graduate](#), [Excellent Student](#), [Outstanding Youth League Member](#)

REVIEWER SERVICE

Conference Reviewer: ACL'25, AAAI'26.