Xiang Liu

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EDUCATION

- **Beihang University (BUAA)** — Beijing, China
  Master in Cyberspace Security; GPA: 3.85/4.0 (Rank 9/53) — *Sept 2021 - Jun 2024 (Expected)*

- **Beihang University (BUAA)** — Beijing, China
  Bachelor of Information Security; GPA: 3.75/4.0 (Rank 10/52) — *Sept 2017 - Jun 2021*

RESEARCH INTEREST

- **MPC and ZKP**: Private Set Operations, Oblivious Transfer, Oblivious Linear Evaluation, MPC-in-the-head

PUB PAPERS

- **Xiang Liu**, Ying Gao. **Scalable Multi-party Private Set Union from Multi-Query Secret-Shared Private Membership Test.** ASIACRYPT 2023.

- Ying Gao, Hanyu Li, Wei Wang, **Xiang Liu**, Jie Chen. **Survey on Oblivious Transfer Protocols**. Journal of Software, 2023, 34(4): 1879-1906.

- Yupeng Zhang, Ying Gao, Yu Yan, **Xiang Liu**. **Fast Software Implementation of ZUC Algorithm**. Journal of Cryptologic Research. 2021, 8(3): 388-401.

INTERNSHIPS

- **Huawei Technologies Co., Ltd** — Beijing, China
  2012 Labs, Cyber Security and Privacy Protection Engineer — *Jun 2021 - Aug 2021*

TEACHING EXPERIENCE

- **Teaching Assistant and Assistant Lecturer** — Beihang University
  Scientific Research Class of Multiparty Computation — *Mar 2022 - Jun 2022*

- **Teaching Assistant** — Beihang University
  Essential Mathematics for Cyber Security (Graduate Level) — *Sept 2021 - Jan 2022*

- **Teaching Assistant** — Beihang University
  Mathematical Foundations of Information Security — *Sept 2020 - Jan 2021*

SELECTED HONORS AND AWARDS

- National Scholarship for Master's Students, Beihang University — Sept 2023
- First-class Academic Scholarship for Master's Students, Beihang University (Third Year) — Sept 2023
- Merit Student of Beihang University — Sept 2022
- First-class Academic Scholarship for Master's Students, Beihang University (Second Year) — Sept 2022
- First-class Academic Scholarship for Master's Students, Beihang University (First Year) — Sept 2021
- Model Student of Beihang University — Sept 2018

SKILLS

- **Programming**: C/C++, Python, Java, MATLAB
- **Tools**: Git, Docker, LaTeX
- **Lauguages**: Chinese, English