Yukun **Jiang**

CISPA Helmholtz Center for Information Security & Saarland University

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Education

Saarland University, Preparatory Ph.D. (Equiv. to Master) in *Computer Science*   *Oct. 2022 –*

Sichuan University, B.E. in *Cyber Security*   *Sep. 2018 – Jul. 2022*

Employment

CISPA Helmholtz Center for Information Security

Preparatory Ph.D. (Joint Program with Saarland University) in *Computer Science*   *Oct. 2022 –*

Tencent Cloud

Algorithm Engineer Internship   *Feb. 2022 – Aug. 2022*

Publications

Yukun Jiang, Xiaoyu Cao, Chen Hao, Neil Gong: FedER: Communication-Efficient Byzantine-Robust Federated Learning. In Proceedings of International Conference on Learning Representations 2022 Workshop on Socially Responsible Machine Learning (ICLR 2022-SRML).

Beibei Li, **Yukun Jiang**, Qingqi Pei, Tao Li, Liang Liu, Rongxing Lu: FEEL: Federated End-to-End Learning with Non-IID Data for Vehicular Ad Hoc Networks. In IEEE Transactions on Intelligent Transportation Systems (T-ITS).

Beibei Li, **Yukun Jiang**, Wenbin Sun, Weina Niu, Peiran Wang: FedVANET: Efficient Federated Learning with Non-IID Data for Vehicular Ad Hoc Networks. In Proceedings of IEEE Global Communications Conference 2021 (GLOBECOM 2021).

Beibei Li, Yaxin Shi, Yuqing Guo, Qinglei Kong, **Yukun Jiang**: Incentive-Based Adaptive Federated Knowledge Distillation for Cross-Silo Applications. In Proceedings of IEEE International Conference on Computer Communications Workshops (INFOCOM 2022 WORKSHOPS)

Beibei Li, Peiran Wang, Hanyuan Huang, Shang Ma, **Yukun Jiang**: FLPhish: Reputation-Based Phishing Byzantine Defense in Ensemble Federated Learning. In Proceedings of IEEE Symposium on Computers and Communications 2021 (ISCC 2021).   **Best Paper Award**

Skills

Language	Chinese (native), English (C1), Germany (A1.1)
Computer Science	Python, C/C++, LaTeX, (Kali) Linux, SQL, Assembly, Java, HTML, etc.

Honors & Activities

Best Paper Award, IEEE Symposium on Computers and Communications 2021.   *Sep. 2021*

1st Prize, Outstanding Student Scholarship, Sichuan Univ.   *Sep. 2021*