

# Chengxu Yang

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**RESEARCH INTEREST** Program analysis, federated learning  
Recent focus: program analysis.

**EDUCATION** **PhD of Computer Science**, Peking University Sep 2019 - Jun 2024  
& • Advisor: Prof. Xuanzhe Liu  
**EXPERIENCE** **BS of Computer Science**, Peking University Sep 2015 - Jun 2019

**HONORS & AWARDS** President Scholarship (Peking University), 2021  
Merit Student (Peking University), 2020  
Wang Shengdi Scholarship (School of EECS, Peking University), 2018  
Merit Student (Peking University), 2018  
TP-Link Scholarship (School of EECS, Peking University), 2016  
Charity Practice Award (Peking University), 2016

**PUBLICATIONS** [FSE'21] **Chengxu Yang**, Yuanchun Li, Mengwei Xu, Zhenpeng Chen, Yunxin Liu, Gang Huang, Xuanzhe Liu. “*TaintStream: Fine-grained Taint Tracking for Big Data Platforms through Dynamic Code Translation.*” Proceedings of the 29th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering. 2021.

[WWW'21] **Chengxu Yang**, Qipeng Wang, Mengwei Xu, Zhenpeng Chen, Kaigui Bian, Yunxin Liu, Xuanzhe Liu. “*Characterizing Impacts of Heterogeneity in Federated Learning upon Large-Scale Smartphone Data.*” Proceedings of the Web Conference 2021.

**TEACHING** As teaching assistant, I've served many important courses for both undergraduates in Peking University, including Introduction to Computer Systems (Fall 2017/18), Introduction to Computing (Fall 2019), Distributed Machine Learning: Theory and System (Fall 2020).

**ACADEMIC SERVICES** I've reviewed many papers from top-tier conferences as external reviewer, including WWW (2019/21), KDD (2019/20), CIKM (2019), etc.