**Honors & Awards**

* National Scholarship, Ministry of Education, 2023
* Outstanding Graduate Student, BUPT, 2023
* Excellent Ph.D. Students Foundation, BUPT, 2023
* Outstanding Graduate Student, State Key Laboratory of Networking and Switching Technology, 2022/2023
* First-class academic scholarship, BUPT, 2022
* National-Level, Innovation and Entrepreneurship Projects for College Students, 2019

**Conference Publications (\* = equal contributions)**

1. “Rethinking Mobile AI Ecosystem in the LLM Era” ***MobiCom’24*** (CCF-A)

Jinliang Yuan\*, Chen Yang\*, **Dongqi Cai**\*, Shihe Wang, Xin Yuan, Zeling Zhang, Xiang Li, Dingge Zhang, Hanzi Mei, Xianqing Jia, Shangguang Wang, Mengwei Xu

[2] “Federated Few-shot Learning for Mobile NLP” ***MobiCom’23*** (CCF-A)

**Dongqi Cai**, Shangguang Wang, Yaozong Wu,Felix Xiaozhu Lin, Mengwei Xu

[3] “Efficient Federated Learning for Modern NLP” ***MobiCom’23*** (CCF-A)

**Dongqi Cai**, Yaozong Wu,Shangguang Wang, Felix Xiaozhu Lin, Mengwei Xu

[4] “Towards Practical Few-shot Federated NLP” ***EuroMLSys’23*** co-located with EuroSys’23 (CCF-A)

**Dongqi Cai**, Yaozong Wu, Haitao Yuan, Shangguang Wang, Felix Xiaozhu Lin, Mengwei Xu

[5] “GPT4D: Automatic Cross-Version Linux Driver Upgrade Toolkit” *MLICOM’23*

Borui Yang, Hongyu Li, **Dongqi Cai**

[6] “FedAdapter: Efficient Federated Learning for Mobile NLP” *TURC’23*

**Dongqi Cai**, Shangguang Wang, Yaozong Wu,Mengwei Xu

[7] “Towards ubiquitous learning: A first measurement of on-device training performance” ***EMDL’21*** co-located with MobiSys’21 (CCF-B)

**Dongqi Cai**, Qipeng Wang, Yuanqiang Liu, Yunxin Liu, Shangguang Wang, Mengwei Xu.

[8] “Mitigating App Collusion using Machine Learning” *DataCom’21*

Xuefei Duan, Hua Lu, Jinliang Yuan, Qiyang Zhang, **Dongqi Cai**

**Journal Publications**

[1] “Accelerating Vertical Federated Learning” IEEE TBD 2021

**Dongqi Cai**, Tao Fan, Yan Kang, Lixin Fan, Mengwei XU, Shangguang Wang, Qiang Yang

[2] “Implementation of an E-payment security evaluation system based on quantum blind computing” IJTP’20

**Dongqi Cai,** Xi Chen, Yuhong Han, Xin Yi, Jinping Jia, Cong Cao, Ling Fan.

**Patents**

[1]“一种基于前向梯度的联邦学习方法、系统及装置”

徐梦炜; 武耀宗; **蔡栋琪**; 王尚广 ，第二学生发明人，实质审查的生效

[2]“面向自然语言模型的联邦小样本学习方法、系统及设备”

徐梦炜; **蔡栋琪**; 周傲; 马骁; 王尚广，第一学生发明人，实质审查的生效

[1]“一种面向预训练模型的联邦学习方法、装置及系统”

徐梦炜; **蔡栋琪**; 周傲; 马骁; 王尚广，第一学生发明人，实质审查的生效

[1]“纵向联邦学习建模优化方法、设备、介质及程序产品”

**蔡栋琪**; 范力欣; 杨强，第一学生发明人，实质审查的生效