

ZHANG Jinrui

Central South University

Email: zhangjinrui@csu.edu.cn; Mobile: +86-13055162228



Education Background

Central South University (B.Sc.)	Changsha, China	Supervisor: WU Ming	09/2012-06/2016
Central South University (M.Sc.)	Changsha, China	Supervisor: ZHANG Yaoxue	09/2016-06/2018
Central South University (Ph.D.)	Changsha, China	Supervisor: ZHANG Yaoxue	Since 09/2018
● School of Information Science & Engineering			
Major in Automation (B.Sc.)			GPA:3.50/4.0(Rank:15%)
Major in Computer Science (M.Sc.)			GPA:3.60/4.0(Rank:10%)
Major in Computer Science (Ph.D.)			GPA:3.17/4.0(Rank:25%)

Researches

- Research on Depth Estimation based on Dual Cameras on Mobile Devices 10/2021-Present
- Research on Multi-Person Pose Estimation on Mobile Devices 10/2019-10/2021
- Research on Deep neural network model compression and acceleration method 07/2018-08/2019

Papers

- **Jinrui Zhang**, Huan Yang, Ju Ren, Deyu Zhang, Bangwen He, Ting Cao, Yuanchun Li, Yaoxue Zhang and Yunxin Liu, "MobiDepth: Real-Time Depth Estimation Using On-Device Dual Cameras", in Proceedings of the 28th Annual International Conference on Mobile Computing and Networking, 2022 (ACM MobiCom, CCF-A)
- **Jinrui Zhang**, Deyu Zhang, Huan Yang, Yunxin Liu, Ju Ren, Xiaohui Xu, Fucheng Jia, and Yaoxue Zhang, "MVPose: Realtime Multi-Person Pose Estimation using Motion Vector on Mobile Devices", in IEEE Transactions on Mobile Computing, 2021 (IEEE TMC, CCF-A)
- **Jinrui Zhang**, Deyu Zhang, Xiaohui Xu, Fucheng Jia, Yunxin Liu, Xuanzhe Liu, Ju Ren, and Yaoxue Zhang, "MobiPose: Real-Time Multi-Person Pose Estimation on Mobile Devices", in Proceedings of the 18th ACM Conference on Embedded Networked Sensor Systems, 2020 (ACM SenSys, CCF-B)
- Xiaohui Xu, Sijing Duan, **Jinrui Zhang**, Yunzhen Luo and Deyu Zhang, "Optimizing Federated Learning on Device Heterogeneity with A Sampling Strategy", IEEE/ACM International Symposium on Quality of Service 2021 (ACM IWQoS, CCF-B)

Contests

- Mathematical Contest in Modeling (MCM)
Team Leader Meritorious Winner 04/2015
- The Tenth Smart Car Contest in South China (Freescale Cup)
Team Leader Champion of South China 07/2015
- The Tenth National Smart Car Contest (Freescale Cup)
Team Leader National Grand Prize 08/2015

Internships and joint-Ph.D. program

- Microsoft Research Asia Beijing, China Mentor: Yunxin Liu 2019.09-2020.03
- Institute for AI Industry Research, Tsinghua University Beijing, China Mentor: Yunxin Liu 2021.09-2022.03
- Seoul National University Seoul, Korea Mentor: Youngki Lee CSC :2022.10-2023.04

Honors and Awards

- Outstanding Student Cadre of Central South University 10/22000 11/2020
- Excellent Student Cadre of Central South University 650/22000 2018&2019
- Excellent Student of Central South University 1000/22000 2017&2021
- Outstanding graduate of Hunan Province (Postgraduate Recommendation) 06/2016

Extracurricular and Voluntary Activities

- Student Union of School of Information Science & Engineering Chairman 09/2016-09/2017
- Smart Car Club of Central South University Chairman 09/2014-09/2016