ZHAONING KONG

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RESEARCH INTEREST

Networked & Mobile Systems, Machine Learning Systems, Edge-assisted AR/VR, 5G.

EDUCATION

Purdue University
West Lafayette, IN, U.S.
Ph.D. in Computer Engineering
Aug 2020 - Present
Advisor: Prof. Y. Charlie Hu

University of California, Los Angeles
Los Angeles, CA, U.S.
M.S. in Computer Science
Sep 2018 - June 2020
GPA: 3.93/4.00, Advisor: Prof. Lixia Zhang

Beihang University
Beijing, China
B.S. in Automation
Sep 2014 - June 2018
GPA: 91.48/100

PUBLICATIONS

[**EdgeSys '22**] Jiayi Meng, **Zhaoning Kong**, Y. Charlie Hu, Mun Gi Choi, Dhananjay Lal. *"Do We Need Sophisticated System Design for Edge-assisted Augmented Reality?"* (**Best Paper Award**) [pdf]

[**PAM '22**] Moinak Ghoshal, Pranab Dash, **Zhaoning Kong**, Qiang Xu, Y. Charlie Hu, Dimitrios Koutsonikolas, Yuanjie Li. *"Can 5G mmWave Support Multi-User AR Apps?"* [pdf]

[**SIGCOMM NAI '21**] Jiayi Meng*, **Zhaoning Kong***, Qiang Xu, Y. Charlie Hu. *"Do Larger (More Accurate) Deep Neural Network Models Help in Edge-assisted Augmented Reality?"* (*co-primary) [pdf]

[**PAM '21**] Shivang Aggarwal, **Zhaoning Kong**, Moinak Ghoshal, Y. Charlie Hu, Dimitrios Koutsonikolas. *"Throughput Prediction on 60 GHz Mobile Devices for High-Bandwidth, Latency-Sensitive Applications"* (**Best Dataset Award**) [pdf]

[**SIGMOD '20**] Lana Ramjit, **Zhaoning Kong**, Ravi Netravali, Eugene Wu. *"Physical Visualization Design (demo)"* [pdf]

[**IEEE ICC '20 ICN-SRA workshop**] Tianxiang Li, **Zhaoning Kong**, Lixia Zhang. *"Supporting Delay Tolerant Networking: A Comparative Study of Epidemic Routing and NDN"* [pdf]

[**MASS '19**] Distributed Dataset Synchronization in Disruptive Networks. *"Distributed Dataset Synchronization in Disruptive Networks"* (invited paper) [pdf]

SELECTED HONORS AND AWARDS

Research Awards
- Best Paper Award, EdgeSys '22
- Best Dataset Award, PAM '21

Student Awards
- National Scholarship of China 2017 (Top 0.2% nationwide)
- Annual Outstanding Student, Beihang Univ., 2017 (Top 5%)

TALKS AND PRESENTATIONS

- **GitSync: Distributed Git over Named Data Networking (NDN)**: NDN Community Meeting 2019
- **Edge-assisted AR**: SIGCOMM NAI 2021

SKILLS

Python, C++, Java, Pytorch, Tensorflow, Android, CUDA

TEACHING ASSISTANT

ECE 26400 Advanced C Programming, Fall '20, Spring '21, Summer 21, Purdue University
CS 151B Computer Systems Architecture, Winter '20, UCLA
CS 217A Internet Architecture and Protocols, Fall '19, UCLA