Mengying Zhou

Big Data and Networking (DataNET) Group
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EDUCATION

- **Dept. of Engineering Systems and Services, TU Delft, Netherlands** *2022.11-Present*
  Scholarship Visiting Student Advisor: Prof. Aaron Ding

- **School of Computer Science, Fudan University, China** *2019.9-Present*
  Ph.D. Student Advisor: Prof. Xin Wang, Prof. Yang Chen

- **School of Information Science and Engineering, Lanzhou University** *2015.9-2019.6*
  Bachelor's Degree (with honor) GPA:4.8/5.0 | Ranking: 1/190

PUBLICATIONS

1. Dewant Katare, **Mengying Zhou**, Yang Chen, Marijn Janssen, Aaron Yi Ding. *Energy-Aware Vision Model Partitioning for Edge AI.* The 40th ACM/SIGAPP Symposium On Applied Computing (**SAC'25**), 2025.

2. **Mengying Zhou**, Qianyu He, Bruno Abrahao, Xin Wang, Yang Chen. *Unifying Data Effectiveness Assessment in User Churn Detection: An Indicator-Assisted Framework.* Tsinghua Science and Technology (**TST**), 2024. [CAS/JCR Q1]

3. Dewant Katare, **Mengying Zhou**, Yang Chen, Marijn Janssen, Aaron Yi Ding. *Poster: Energy-Aware Partitioning for Edge AI.* The 8th ACM/IEEE Symposium on Edge Computing (**SEC'24**), 2024.

4. **Mengying Zhou**, Zhiyang Sun, Xin Wang, Yang Chen. *Demo: Enhancing the Networking Performance of IPv6 IoT Devices Using Machine Learning and IVI.* The 22nd ACM Conference on Embedded Networked Sensor Systems (**SenSys'24**), 2024. [CCF B]

5. **Mengying Zhou**, Tiancheng Guo, Yang Chen, Yupeng Li, Meng Niu, Xin Wang, Pan Hui. *Polygon: A QUIC-Based CDN Server Selection System Supporting Multiple Resource Demands.* IEEE/ACM Transactions on Networking (**ToN**), 2024. [CCF A]

6. **Mengying Zhou**, Yang Chen, Shihan Lin, Xin Wang, Bingyang Liu, and Aaron Ding. *Dissecting the Applicability of HTTP/3 in Content Delivery Networks.* Proc. of 44th IEEE International Conference on Distributed Computing Systems (**ICDCS'24**), 2024. [CCF B]

7. Tiancheng Guo, Yuke Ma, **Mengying Zhou**, Xin Wang, Jun Wu, Yang Chen. *SocialCache: A Pervasive Social-Aware Caching Strategy for Self-Operated Content Delivery Networks of Online Social Networks.* Proc. of 2023 IEEE International Conference on Communications (**ICC'23**), 2023. [CCF C]

8. Run Huang, **Mengying Zhou**, Tiancheng Guo, Yang Chen. *Locating CDN Edge Servers with HTTP Responses.* Proc. of ACM SIGCOMM (**SIGCOMM'22**), Demo Session, 2022. [CCF A]

9. Xuebing Li, Yang Chen, **Mengying Zhou**, Tiancheng Guo, Chenhao Wang, Yu Xiao, Junjie Wan, and Xin Wang. *Artemis: A Latency-Oriented Naming and Routing System.* IEEE Transactions on Parallel and Distributed Systems (**TPDS**), 2022, 33(12):4874-4890. [CCF A]

10. **Mengying Zhou**, Zheng Li, Shihan Lin, Xin Wang, Yang Chen. *FlexHTTP: An Intelligent and Scalable HTTP Version Selection System.* Proc. of 17th European Conference on Computer Systems (**EuroSys'22**) Workshop, 2022. [CCF A]

11. **Mengying Zhou**, Tiancheng Guo, Yang Chen, Junjie Wan, Xin Wang. *Polygon: A QUIC-Based CDN Server Selection System Supporting Multiple Resource Demands.* Proc. of the 22nd ACM/IFIP Middleware Conference (**Middleware'21**), Industry Track, 2021. [CCF B]

12. Jiaxin Tang, Yang Chen, **Mengying Zhou**, Xin Wang. *Deep Learning for POI Recommendation: A Survey.* Computer Engineering, 2021, 1000-3428.0061598. [CCF T2]

13. Xuebing Li, Yang Chen, **Mengying Zhou**, Xin Wang. *Internet Data Transfer Protocol QUIC: A Survey.* Journal of Computer Research and Development, 2020, 57(9):1864-1876. [CCF T1]

EXPERIENCE

- **Baidu Internship**   *2021.06 - 2021.09*
  Network load balancing research and development engineer   Shanghai, China
- **New York University Shanghai, Teaching Assistant**   *2020.06 - 2020.12*
  Network Analytics Courses   Shanghai, China
- **Tsinghua University, Research Intern**   *2019.07 - 2021.08*
  Data-Driven Management Platform for Social Non-profit Organizations   Beijing, China
- **Zhejiang University, Research Intern**   *2018.07 - 2018.08*
  Embeddings of Knowledge Graphs and Entity Descriptions for Cross-lingual Entity Alignment   Zhejiang, China

SERVICES

- **Program Committee**
  China National Conference on Big Data and Social Computing(BDSC): 2023
- **Technical Program Committee (TPC) Member:**
  ACM Internet Measurement Conference(IMC): 2022(Shadow), EuroMLSys: 2023

AWARDS & HONORS

- **National University Open Data Innovation Research Competition** First Price (2/198)   *2020*
- **Outstanding Graduate, Lanzhou University** (Top 1%)   *2019*
- **IEEE ICNP Travel Grant**   *2023*