

ZILI MENG 孟子立

2nd-year PhD Student at Tsinghua University

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EDUCATION

- **Ph.D. Student (Network Science)** Tsinghua University
Advisor: Prof. Mingwei Xu
2019 - 2024
- **B.Eng. (Electronic Engineering)** Tsinghua University
Advisor: Prof. Jun Bi
2015 - 2019
- **Minor (Business Administration)** Tsinghua University
2016 - 2019

PUBLICATIONS

- **Zili Meng**, M. Wang, J. Bai, M. Xu, H. Mao, H. Hu. *Interpreting Deep Learning-Based Networking Systems*. In *Proc. ACM SIGCOMM 2020*.
- **Zili Meng**, J. Chen, Y. Guo, C. Sun, H. Hu, M. Xu. *PiTree: Practical Implementation of ABR Algorithms Using Decision Trees*. In *Proc. ACM Multimedia 2019* (Oral Paper).
- **Zili Meng**, Y. Guo, Y. Shen, J. Chen, C. Zhou, M. Wang, J. Zhang, M. Xu, C. Sun, H. Hu. *Practically Deploying Heavyweight Adaptive Bitrate Algorithms with Teacher-Student Learning*. *IEEE/ACM Transactions on Networking (ToN)* 2021.
- **Zili Meng**, J. Bi, H. Wang, C. Sun, H. Hu. *MicroNF: An Efficient Framework for Enabling Modularized Service Chains in NFV*. *IEEE Journal on Selected Areas in Communications (JSAC)* 2019.
- H. Mao, M. Schwarzkopf, S. B. Venkatakrisnan, **Zili Meng**, M. Alizadeh. *Learning Scheduling Algorithms for Data Processing Clusters*. In *Proc. ACM SIGCOMM 2019*.
- S. Wang, C. Sun, **Zili Meng**, M. Wang, J. Cao, M. Xu, J. Bi, Q. Huang, M. Moshref, T. Yang, *et al.* *Martini: Bridging the Gap between Network Measurement and Control Using Switching ASICs*. In *Proc. IEEE ICNP 2020*.
- C. Sun, J. Bi, **Zili Meng**, T. Yang, X. Zhang, H. Hu. *Enabling NFV Elasticity Control with Optimized Flow Migration*. *IEEE Journal on Selected Areas in Communications (JSAC)* 2018.

WORK

- **Research Intern** Tencent
START Cloud Game Team Summer 2020
Mentor: Mr. Rui Han
- **Visiting Research Assistant** MIT
CSAIL Summer 2018
Advisor: Prof. Mohammad Alizadeh

AWARDS

- Microsoft Research Asia Fellowship (2020)
- ACM SIGCOMM 2018 Student Research Competition Gold Medal (2018)
- IEEE ICC 2020 Best Paper Award (2020)
- Tsinghua Top Grade Scholarship (2018)
- Outstanding Graduate in Beijing (2019)
- National Scholarship (2020, 2018, 2016)
- Qualcomm Innovation Scholarship (2017)
- Travel Grants (SIGCOMM 2019, SIGCOMM 2018, SRC 2018, SOSR 2017)

SERVICES

- Artifact Evaluation Committee Member (2020), *USENIX OSDI*.
- Shadow PC Member (2020), *EuroSys*.
- Shadow PC Member (2018), *ACM IMC*.
- Reviewer (2019, 2020), *Elsevier Computer Networks*.
- Reviewer (2018, 2019), *IEEE Transactions on Network and Service Management*.