

# Zili Meng | Curriculum Vitae

## Personal Details

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**Birth**

November 10th, 1999

**Nationality**

China

**Homepage**

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## Education Experience

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- **Bachelor Candidate**  
Department of Electronic Engineering  
Also minor in Business Administration  
GPA: 3.74/4.00, Rank: 2/244

**Tsinghua University**  
August 2015 - July 2019 (Expected)

- **Visiting Student**  
Computer Science and Artificial Intelligence Laboratory

**Massachusetts Institute of Technology**  
July 2018 - August 2018

- **High School Diploma**  
Gifted Education Division

**Northeast Yucai School, Shenyang**  
September 2010 - July 2015

## Work Experience

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- **Research Assistant**  
Network Architecture Laboratory  
Advisor: Prof. Jun Bi

**Tsinghua University**  
October 2016 - Now

- **Research Assistant**  
Computer Science and Artificial Intelligence Laboratory  
Advisor: Prof. Mohammad Alizadeh

**Massachusetts Institute of Technology**  
July 2018 - August 2018

- **Research Assistant**  
Human-Machine-Interface Laboratory  
Advisor: Prof. Milin Zhang

**Tsinghua University**  
June 2016 - February 2017

## Research

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### Research Interests.....

Software Defined Networking, Network Function Virtualization, Data Center Networks, Next Generation Network Measurement.

## Publications.....

- **Zili Meng**, J. Bi, H. Wang, C. Sun, H. Hu.  
CoCo: Compact and Optimized Consolidation of Modularized Service Chains in NFV.  
In *IEEE ICC 2018*, Kansas City, USA, 2018. [PDF]
- **Zili Meng**, J. Bi, C. Sun, S. Wang, M. Wang, H. Hu.  
PAM: When Overloaded, Push Your Neighbor Aside!  
In *ACM SIGCOMM 2018 Posters*, Budapest, Hungary, 2018. [PDF]  
**Gold Medal in SIGCOMM 2018 Student Research Competition.**
- **Zili Meng**, J. Bi, C. Sun, A. Xu, H. Hu.  
PRAM: Priority-aware Flow Migration Scheme in NFV Networks.  
In *ACM SOSR 2017 Posters*, Santa Clara, USA, 2017. [PDF]
- C. Sun, J. Bi, **Zili Meng**, T. Yang, X. Zhang, H. Hu.  
Enabling NFV Elasticity Control with Optimized Flow Migration.  
In *IEEE Journal on Selected Areas in Communications*. [PDF]
- C. Sun, J. Bi, **Zili Meng**, X. Zhang, H. Hu.  
OFM: Optimized Flow Migration for NFV Elasticity Control.  
In *IEEE/ACM IWQoS 2018*, Banff, Canada, 2018. [PDF]
- Z. Zheng, J. Bi, C. Sun, H. Yu, H. Hu, **Zili Meng**, S. Wang, K. Gao, J. Wu.  
GEN: A GPU-Accelerated Elastic Framework for NFV.  
In *APNet 2018*, Beijing, China, 2018. [PDF]

## Professional Services.....

- Shadow PC Member, ACM IMC (2018).  
*The only undergraduate member and the only member from China.*
- Reviewer, IEEE Transactions on Network and Service Management (2018)

## Honors

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## Fellowships.....

- **Fellowship of Future Scholar (Since 2018)**  
*In Tsinghua University*  
With a funding of CNY 200,000. Only 6 undergraduates are selected in 2018 for the achievements in scientific research.
- **Fellowship of Spark Talents Program (Since 2017)**  
*In Tsinghua University*  
Awarded to the top 50 among 3,000 Tsinghua students every year who are dedicated to scientific and technological innovations.
- **Fellowship of Jiangcun Scholar (Since 2016)**  
*In Tsinghua University*  
Awarded to the top 30 among 3,000 Tsinghua students every year who are dedicated to social practice and social investigation.

## Scholarships.....

- **Qualcomm Scholarship (2017)**  
*Awarded by Qualcomm Inc.*

For outstanding achievements in scientific innovation and academic research.

**Jiang Nanxiang Scholarship (2017)**

- *Awarded by Tsinghua University*

Highest honor for students' sophomore year achievement in the Department of Electronic Engineering.

**Tang Lixin Scholarship (2017)**

- *Awarded by Tang Lixin Education Foundation*

Only 5 juniors are awarded among more than 3,600 juniors in Tsinghua in 2017

**China National Scholarship (2016)**

- *Awarded by Ministry of Education, China*

Highest honor for students' freshman year achievement in the Department of Electronic Engineering.

- **Academic Excellence Scholarship (2016, 2017)**
- **Scientific Research Excellence Scholarship (2017)**
- **Social Practice Excellence Scholarship (2016, 2017)**
- **Volunteering Excellence Scholarship (2016)**

**Research Awards**

- **ACM SIGCOMM 2018 Student Research Competition Award** **Gold Medal (1st Place)**  
*Awarded by ACM* *August 2018*  
The only gold medal from China in both graduates and undergraduates since 2010.
- **ACM SIGCOMM 2018 Travel Grant** **USD 1,200**  
*Awarded by ACM* *June 2018*
- **ACM SRC 2018 Travel Grant** **USD 500**  
*Awarded by ACM* *June 2018*
- **ACM SOSR 2017 Travel Grant** **USD 1,500**  
*Awarded by ACM* *March 2017*

**Academic Competition Awards**

- **First Prize of National Undergraduate Physics Competition**  
*Highest competition in physics for undergraduates* *December 2015*
- **First Prize in the Chinese Mathematics Olympiad**  
*Top 5% students in Chinese Mathematics Olympiad* *October 2014*
- **First Prize in the Chinese Physics Olympiad**  
*Top 5% students in Chinese Physics Olympiad* *October 2014*

**Other Awards**

- **Star Volunteer (Level 3)**  
*Awarded for outstanding volunteering achievements in Tsinghua University* *June 2018*
- **Outstanding Undergraduate Social Practice Achievement in Beijing**  
*Highest honor for outstanding social practice achievements in Beijing* *December 2016*
- **Silver Prize in Social Practice**  
*Awarded for outstanding achievements in social investigation and practice* *October 2016*