

## Xiao-Yue Gong

xygong@mit.edu | 1-6466249940 | www.mit.edu/~xygong

### EDUCATION

GRE:337/340, GRE Math Subject: 900

<b>Massachusetts Institute of Technology</b> Operations Research (Ph.D.)	2017.8-present Boston GPA: 5.0/5.0
<b>New York University Shanghai,</b> Honors Mathematics (B.S.), Interactive Media Arts (B.S.)	2013.6-2017.5 Shanghai summa cum laude
<b>New York University New York,</b> Phi Beta Kappa	2015.8-2017.1 New York
<b>Budapest Semesters in Mathematics</b>	2015.6-2015.8 Budapest
<b>New York University Tel Aviv</b>	2014.7-2014.7 Istanbul
<b>Tel Aviv University</b> Business Entrepreneurship Program	2014.6-2014.7 Tel Aviv
<b>No.2 High School of East China Normal University</b>	2010.8-2013.6 Shanghai
<b>Lake Forest High School Exchange Program</b>	2011.9-2011.10 Illinois

### PROFESSIONAL

**Research Assistant** 2017.8-present  
**MIT Operations Research Center**  
Coauthored "A Fast Max Flow Algorithm" with  
Professor Jim Orlin. Submitted.

**Quantitative Analyst Intern** 2019.5-2019.8  
**D.E. Shaw**  
Conducted quantitative research at D.E. Shaw.

**Instructor** 2019.1-2019.1  
**MIT**  
Co-instructed PhD/master course 15.S60 Computing  
in Optimization & Statistics, and undergrad course  
15.S41 Software Tools for Business Analytics.

**Research Assistant** 2017.6-2017.8  
**NYU Shanghai Computer Science Lab**  
Coauthored "Efficient Entropy for Policy Gradient  
with Multi-Dimensional Action Space" accepted at  
2018 ICLR (Workshop Track).

**President** 2016.5-2017.1  
**NYU Mathematics Society**  
Arranged weekly math talks; Organized participation  
in conferences and competitions; Strengthened NYU's  
math community of undergrads, grads and faculty.

**TA/Tutor/Grader** 2015.9-2017.1  
**NYU Courant Institute of Mathematical Sciences**  
For Introduction to Web Development and  
Programming, Calculus I, and Linear Algebra.

**Legal Summer Intern** 2014.7-2014.9  
**Citibank (China) Co. Ltd.**  
Legal research; Litigation case updates; Analysis of  
legal terms and cases; Presentation assistance.

**Co-Organizer** 2014.5-2014.12  
**HackShanghai**  
Inaugurated NYU Shanghai's official hackathon;  
Hardware support; Sponsorship; LegaL.

**Founder** 2015.9-present  
**Aeolian**  
Founded a smart indoor air-purificatin/monitoring  
social venture; Product development; Management.

### PUBLIC OUTREACH

**Presenter** 2017.11-2018.1  
**MIT Women's Initiative**  
Presented at middle/high schools in Texas to  
encourage young girls to explore careers in STEM.

**Delegate** 2016.8  
**Youth Assembly at the United Nations**  
Attendance as a delegate sponsored by New York  
University; Received Resolution Fellowship at the  
Youth Assembly at the United Nations.

**Founder&Vice President** 2014.8-2015.5  
**NYUSH Xiao Long Shaker Dance Club**  
Organization of volunteer dance workshops for kids  
and homeless people; Connecting with local  
communities; Performance management.

**Soccer Player** 2014.1-2015.5  
**NYUSH Women Soccer Team**

### AWARDS

- 1 of 14 Rhodes Scholarships China finalists
- Best Presentation award at LIDS Student Conference (2019)
- MIT IDEAS Global Challenge winner (2018)
- MIT Bitcoin Hackathon ARCC Prize (2018)
- NYU Shanghai Provost's Award (2017)
- Major Honors in Honors Mathematics (2017)
- Resolution Fellowship at Youth Assembly at the United Nations (2016)
- NYU President's Service Award (2016)
- Courant Institute Summer Undergrad Research Experience Grant (2016)
- Dean's Undergrad Research Fund (2016)
- Venturewell Entrepreneurs-Team (2016)
- NYU Reynolds Changemaker Challenge Winner
- Autodesk IMA Smart Home Design Challenge Winner (2015)
- Israeli Government CPB Scholarship (2014)
- Resident Assistant Scholarship (2014)
- Dean's List & Recognition Award (2013-2017)
- Intel 26th Shanghai Adolescents Science&Technology Innovation Fair First Prize