

## 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>NYU Shanghai</b> , Honors Mathematics (B.S.), Interactive Media Arts (B.S.)	2013.6-2017.5 Shanghai summa cum laude
<b>New York University</b> , Phi Beta Kappa	2015.8-2017.1 New York
<b>Budapest Semesters in Mathematics</b>	2015.6-2015.8 Budapest
<b>NYU 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> Lake Forest High School (Exchange Program)	2010.8-2013.6 Shanghai 2011.9-2011.10 Illinois

### PROFESSIONAL

**Quantitative Analyst Intern** 2019.5-2019.8  
**D.E. Shaw**

Conducted quantitative research at D.E. Shaw.

**Research Assistant** 2017.8-present  
**MIT Operations Research Center**

Coauthored "A Fast Max Flow Algorithm" with Professor Jim Orlin. Submitted. Coauthored "Online Assortment Optimization with Reusable Resources" with Professor David Simchi-Levi et. al. Submitted.

**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 an air-quality monitoring social venture.

### 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
- Lockheed Martin Tech for Truth Hackathon Supply Chain Grand Prize (2019)
- LIDS Student Conference Best Presentation Award (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