

TONG LI

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EDUCATION

NEW YORK UNIVERSITY

New York, NY

The Courant Institute of Mathematical Sciences

MS Mathematics in Finance (expected December 2022)

- **Coursework:** Quantitative risk management, Stochastic calculus, Data science

UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN

Urbana, IL

BS Computer Science & BS Chemistry, Minor in Mathematics (May 2017)

- **Coursework:** Randomized, optimization and approximation algorithms, Machine learning, Distributed systems, Computer security, Competitive algorithmic programming
- **Awards and Honors:**
 - #56 in 2017 ICPC World Finals
 - #3 in 2016 ICPC Mid-Central USA Regional Programming Contest
 - #172 (Top 4%) in 2014 William Lowell Putnam Mathematical Competition
 - Graduation with Highest Honors (in Engineering) & Magna Cum Laude (in College of LAS)

EXPERIENCE

GOOGLE

Mountain View, CA

Software Engineer (Jun 2017 - Jun 2020)

- Designed and implemented data storage and pre-processing algorithms and infrastructures.
- Optimized the runtime by several folds to scale at huge (>10M/day) datasets while improving the overall prediction accuracy.

Software Engineer Intern (May 2016 - Aug 2016)

- Built a back-end data analysis pipeline for finding trends and abnormalities in ads-related metrics, using time series analysis algorithms from papers.
- Created a front-end data presentation tool for looking into different dimensions and showing abnormalities found in the previous tool.

UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN

Urbana, IL

Course Assistant (Jan 2016 - May 2017)

- Developed course materials and conducted discussions and office hours in the following courses: Computer Security I, Algorithms and Models of Computation, and Algorithms II

PROJECTS

MoeKuu Networks

- Operated a non-profit virtual internet and cloud service provider over IPv6 for research and community services.
- Set up multiple points of presence across the US, Europe and Asia and arranged interconnections with tens of autonomous systems worldwide.

SKILLS

Programming Languages: C/C++, Python, Javascript

Languages: Chinese-Mandarin (Native), English (Fluent), Japanese (Intermediate)

Tech Interests & Skills: Computer Network, Cloud Computing, Embedded System