

Current Address:
240 1st Ave, #5A
New York, NY 10009

Thomas Guo
tommyguo97@gmail.com
(610) 731-5065

GitHub: tommyguo
<https://tommyguo.me>

EDUCATION

New York University, New York, NY
B.S. in Computer Science
B.S. in Business

May 2019
Major GPA: 4.00
Cumulative GPA: 3.94

Undergraduate Coursework: Algorithms/DS, OS, Linear Algebra, Parallel Computing, Networks, Large Scale Web Applications
Graduate Coursework: Artificial Intelligence, Predictive Analytics, Social Networks

Languages: Java, Python, JavaScript, Ruby

EXPERIENCE

Software Engineering Intern, **Stripe**, San Francisco, CA Jun 2018 – Aug 2018

- Created canary systems that made Stripe's financial infrastructure more robust
- Enabled Stripe to track billions of dollars of money movement and increased observability of banking operations

Software Engineering Intern, **Keen Home Inc.**, New York, NY Jun 2017 – Aug 2017

- Created an Elasticsearch querying library and command line tools to improve data analysis
- Added data clusters and data streams to increase operational efficiency

Co-founder, Muzaic, Wynnewood, PA Jun 2015 – Jun 2017

- Founded social innovation project to provide accessible music education
- Received funding from Hamilton College's Social Innovation Lab

Undergraduate Researcher, New York University Oct 2016 – Jan 2017

- Developed a model to predict how many jobs AI systems will destroy

PROJECTS

Blogg github.com/tommyguo/blogg

- Open-source blogging platform

Reversi AI github.com/tommyguo/reversiAI

- AI that plays the board game Reversi using Monte Carlo Tree Search

Taxi github.com/tommyguo/taxi

- D3 visualization of NYC taxi data

Palettes github.com/tommyguo/palettes

- Website to create color palettes using the MEAN stack minus Angular

ACTIVITIES

Jane Street Electronic Trading Competition, *Winner*, San Francisco Jul 2018

- Placed 1st out of 30+ teams in algorithmic trading competition

Programming Team, *Competitor*, New York University Sep 2017 – Present

- Scored in top 20% of ProgNova Programming Contest

Entrepreneurial Exchange Group, *Treasurer*, New York University Feb 2017 – Present

- Working with other executive board members to plan events for entrepreneurs