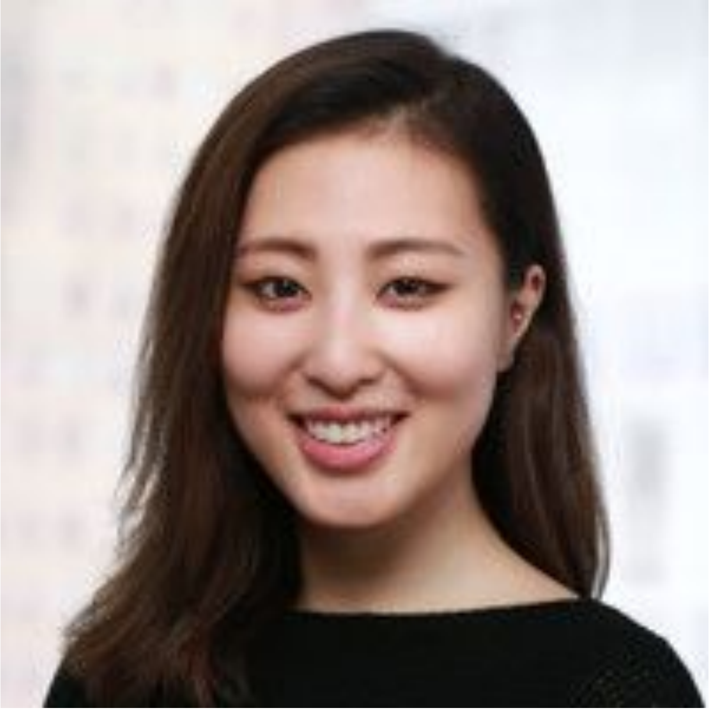


Tessa Xie

Guest Speaker Alumni Series

Undergraduate

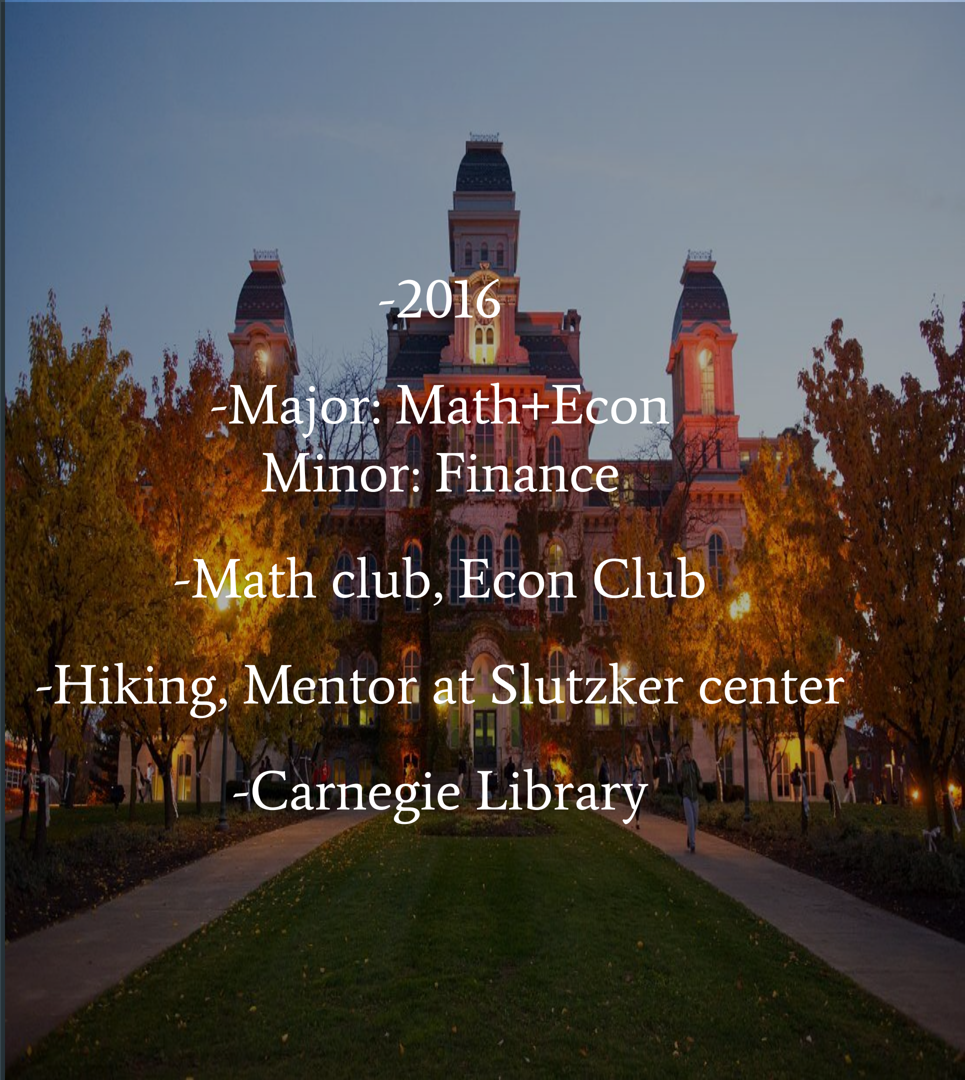
-When did you graduate?

-What degrees did you pursue?

-What clubs did you take part in?

-What activities did you do in your spare time?

-Where was your favorite place on campus?



-2016

-Major: Math+Econ
Minor: Finance

-Math club, Econ Club

-Hiking, Mentor at Slutzker center

-Carnegie Library

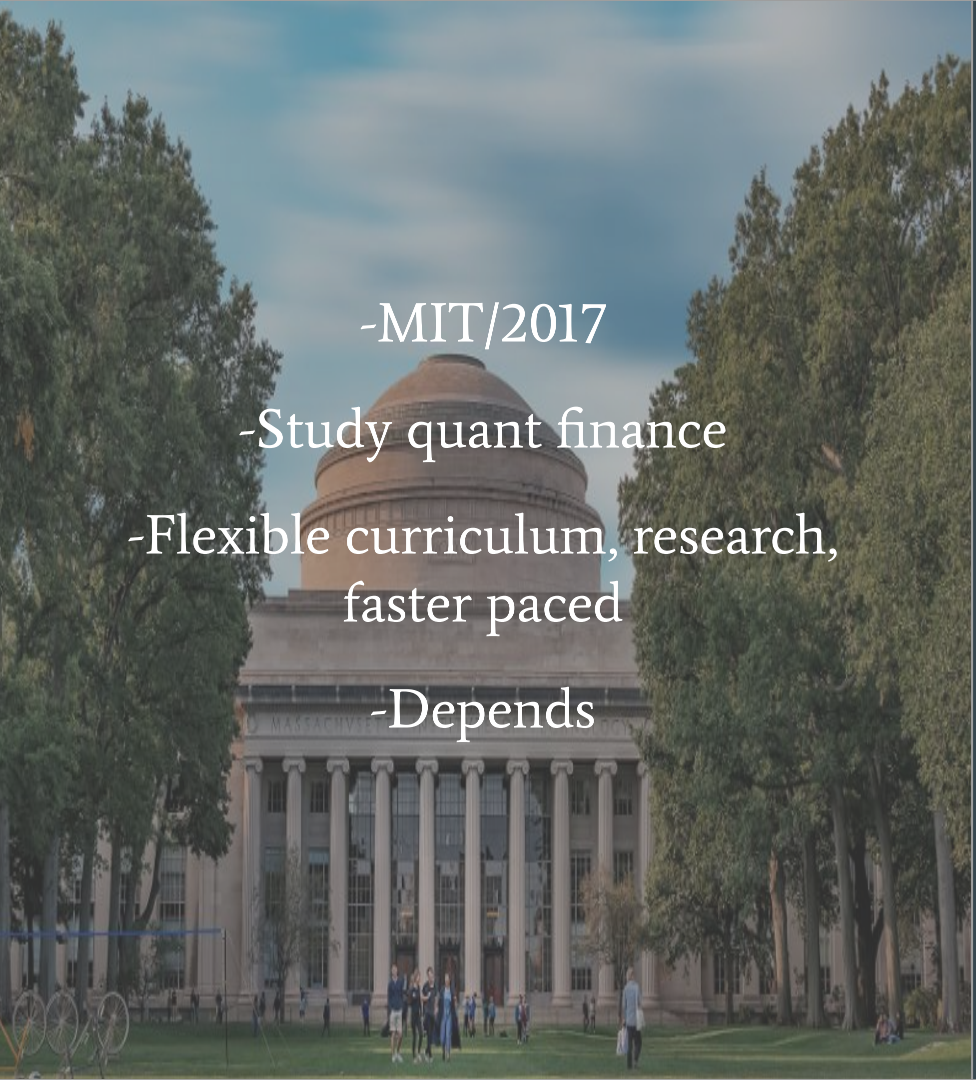
Graduate

-Where/when did you graduate?

-Why/when did you decide to go to grad school?

-In what ways was it different from undergraduate? (research?)

-Would you recommend following that path?



-MIT/2017

-Study quant finance

-Flexible curriculum, research, faster paced

-Depends

Internship Tips

Previous internship experience? JP Morgan, Goldman Sachs, Convergence, Arcadia Funds (both alum funds)

How did you prepare for recruitment? Resume: career services, alum, friends; Interview prep: glassdoor, alum

Top tips for interviews? Interview is a two-way assessment, practice with a friend (cultural fit questions), use resources online (Udacity, Udemy, datacamp, etc.)

Can you describe what your interviews were like? Varies by company, cultural fit is common for every company, modeling and stats knowledge is common for both quant finance and data scientists, other questions are role specific.

Biggest surprise from your internship experience? Ability to learn on the job is more important than existing knowledge you have

EXPERIENCE

MCKINSEY&COMPANY — New York, NY
Senior Data Science Consultant (Marketing & Sales/Operations Advanced Analytics) — Nov 2018 – Present

- Led data science effort on multiple projects across various industries using machine learning/AI and advanced analytics, with focus on Marketing & Sales and Operations in the TMT industry
- Guided companies' analytics-based operations strategy: growth mapping, channel analytics focusing on A/B testing and measurement, market segmentation and market-customer-preference oriented product-assortment optimization
- Built models and conducted analyses on customer lifecycle management: demand forecasting, customer segmentation, propensity-to-buy targeting, acquisition, retention, reactivation, and loyalty marketing
- Collaborated with client's analytics and marketing team to design and lead implementation of multi-channel personalization campaign that generated >$30M revenue for retail client
- Led digital transformation including building recommendation system, conducting box office prediction, automating movie script "green lighting" and carrying out training and capability building for media client

T. ROWE PRICE — Baltimore, MD
Quantitative Investment Fellow — Jul 2017 – Nov 2018

- Built a front end user interface for the back-tester (R Shiny dashboard), creating a one-stop shop for quant equity analysis including data querying (SQL), factor back-test and visualization of data
- Co-authored a paper (covered by Wall Street Journal) that analyzed the correlation between the outcomes of firms' 401(k) plans and firms' performance by carrying out feature engineering and penalized regression in R
- Co-authored a white paper addressing sequence of return risk in retirement plans with volatility-management strategies; designed performance-measurement metrics and carried out analysis and significance test in Python

ARCADIA FUNDS LLC — Cambridge, MA
Data Science Intern — Feb 2017 – May 2017

- Performed model fitting on Lending Club (LC) loan data to reverse-engineer the rating system of LC (Python, R)

CONVERGENCE INVESTMENT MANAGEMENT — San Francisco, CA
Quantitative Hedge Fund Strategy Development Extern — Jan 2017 – Feb 2017

- Built a **Python**-based trading system that takes in thousands of equity and ETF data from Yahoo Finance to predict the net asset value (NAV) for more than 500 closed end funds before their after-market daily disclosure

JPMORGAN CHASE — New York, NY
Summer Analyst for the Forecast Automation Team — Jun 2015 – Aug 2015

- Facilitated the collaboration between engineering and finance teams to automate the process of P&L forecasting

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY – SLOAN SCHOOL OF MANAGEMENT — Cambridge, MA
M.Sc. Financial Mathematics — 2016 – 2017

- *Awards:* Dean's Fellowship (merit-based), Leadership Development Program (15 out of 115 students selected)
- *Activities:* Founder and President of Quantitative Finance Club; Class Gift Committee; Graduation Class Speaker
- *Competitions:* Citadel Datathon (2^{nd} place)

SYRACUSE UNIVERSITY, THE COLLEGE OF ARTS AND SCIENCES — Syracuse, NY
Bachelor of Science (Honors) in Mathematics and Economics (Minor in Finance) — 2012 – 2016

- *GPA:* 3.86 / 4.00, Summa Cum Laude

UDACITY SCHOLARSHIPS — Online
Lyft Intro to Self-Driving Cars Scholarship and Bertelsmann Data Science Scholarship — Mar 2018 – Present

- Covers 5 nano-degrees on Udacity including but not limited to Self-Driving Car Engineer and Data Analytics

Work Experience

Where was your first job? How did you like it? - T.Rowe Price (quant researcher)

How did your career change? (if applicable) - From quant finance to data scientist

Takeaways from your first job? - It's important to learn on the job and expand your knowledge beyond your job function

What do you do now? - Data scientist (transitioning to tech industry)

How has coronavirus affected your day to day life? - work remotely and not able to travel (see family and friends) but more time for self development

What is your favorite thing about being a working adult? - Make decisions for yourself and discover what you like along the way

Thanks for coming!

Any Questions?

Connect with us on:

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@Syracuse University Economics Student Association