

# JONATHAN YUAN

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## EDUCATION

### The University of Chicago

Chicago, IL

*B.A. Economics with a Specialization in Data Science, B.S. Computer Science*

*Expected Jun 2021*

- **Cumulative GPA:** 3.81/4.00, Dean's List
- **Coursework:** Intro to Computer Programming & Systems, Elements of Economic Analysis, Econometrics, Numerical Linear Algebra, Statistical Models and Methods, Mathematical Probability, Data Visualization

### West Windsor Plainsboro High School South

Princeton Junction, NJ

- **Cumulative GPA:** 4.00/4.00 | **Math Honor Society** (President), **National Honor Society**

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## PROFESSIONAL EXPERIENCE

### Wolverine Trading

Chicago, IL

*Incoming Quantitative Trading Intern*

*June 2020*

### Rocketmiles – Booking Holdings

New York, NY

*Data Science Intern at hotel rewards company*

*Jun 2019 – Present*

- Modeled customer lifetime value as a success metric for A/B Testing pipeline using Markov chains
- Assisted partners (e.g. Southwest, American Airlines) with ad-hoc analysis of product features/investment decisions
- Daily use of Python, SQL, AWS ecosystem, Airflow for analytics, modeling, and refactoring

### Clark St. Capital

Chicago, IL

*Quantitative Trading Intern at small-cap hedge fund*

*Jan – Aug 2019*

- Modified and implemented a dozen trading strategies (two with significant Sharpe ratios) in Python specializing in commodities and volatility futures
- Advised Portfolio Manager in the implementation of strategy backtesting, optimizing on parameter space, constraints, search and input variables

### LoveBug Probiotics

New York, NY

*Operations Intern for Digestive Health Company*

*Jun – Aug 2018*

- Automated extraction of warehouse data with Excel macros to generate KPI reports and develop a predictive “restocker” tool that automatically calculates an inventory replenishment schedule
- Designed a dashboard that calculates customer lifetime value for top selling products using Shopify data

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## LEADERSHIP EXPERIENCE

### Taiwanese American Student Association

Chicago, IL

*President of student cultural organization*

*Mar 2018 – Present*

- Led the club to win UChicago RSO of the Year in 2019 by planning university-wide cultural events with the executive board, including Night Market, Spring Lantern Festival, Mahjong Tournament, and dumpling workshops
- Helped successfully alleviate all club debt as treasurer by organizing frequent “bunraisers,” applying for university funds, optimizing ticket sales, and coordinating local business partnerships

### Maroon Capital

Chicago, IL

*Board Member of quantitative finance RSO*

*Oct 2018 – Present*

- Collaborated with board members to present financial topics and organize meetings with 50+ members
- Write and grade assignments as homework director, focusing on trading and basic derivative theory

### Alpha Kappa Psi – University of Chicago

Chicago, IL

*Member of professional business fraternity*

*Oct 2018 – Present*

- Completed business curriculum and assisted in service events, fundraisers, curriculum improvement, and recruitment

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## SKILLS & INTERESTS

**Proficient:** Python, C, SQL

**Experienced:** JavaScript, HTML, CSS, VBA

**Languages:** Mandarin (fluent), Spanish (conversational)

**Interests:** Poker, Weiqi (Go), Music (piano, production), Weight Lifting, Cooking