

# 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:** 3.82/4.00, Dean's List
- **Coursework:** Intro to Computer Programming & Systems, Elements of Economic Analysis, Econometrics, Numerical Linear Algebra, Statistical Models and Methods, Networks and Distributed Systems, 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

### Rocketmiles – Booking Holdings

New York, NY

*Data Science Intern at hotel rewards company*

*Jun 2019 – Present*

- Currently developing a predictive model for an A/B testing success metric using customer lifetime value
- Assisted partners (e.g. Southwest, American Airlines) with ad-hoc analysis of product features/investment decisions

### Clark St. Capital

Chicago, IL

*Quantitative Trading Intern at small-cap hedge fund*

*Jan 2019 – Present*

- Modified and implemented quantitative trading strategies in Python for commodities and volatility futures
- Advised Portfolio Manager in the implementation of strategy backtesting, optimizing on parameter space, constraints, search and input variables
- Extensively utilized Pandas/Numpy/pyfinance libraries for accurate and optimized implementations

### 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
- Worked with CFO to calculate customer lifetime value for top selling products using an Excel model and Shopify data
- Successfully launched the company's product line on amazon.co.uk by completing approval requests, uploading listings, keyword optimizing product pages, and shipping sample products

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## EXTRACURRICULAR & LEADERSHIP ACTIVITIES

### 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*

- Completed yearlong technical curriculum on public markets, corporate finance, options theory, and quant trading

### 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:** R, JavaScript, HTML, CSS, VBA, x86 Assembly

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

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