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**

PROFESSIONAL EXPERIENCE

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 continuous time 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 2019 – Present*
- 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
- 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

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

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