

JONATHAN YUAN

5472 S. Ingleside Avenue Chicago IL 60615 | (609) 455-4086 | jonyuan@uchicago.edu | jonyuan.github.io

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 and SQL (Amazon Redshift) for analytics, forecasting, 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 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
- Extensive use of Pandas/Numpy and other statistical 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

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

Upcoming 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

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