Daniel Zhou

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EDUCATION

The University of Chicago — Chicago, IL
Master of Science in Financial Mathematics — *Expected: Dec 2025*
- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes
- Awards and Scholarships: FinMath Alpha Scholar

Lazaridis School of Business, Wilfrid Laurier University — Waterloo, ON
Bachelor of Business Administration (Concentration: Finance) — *Aug 2022*
Bachelor of Science in Computer Science
- GPA: 3.9/4.0 | Graduated with High Distinction

SKILLS

Computing: Python, SQL, VBA, C, Java, HTML, JavaScript, CSS, Git, Docker, Linux, Nginx, LaTeX, Bloomberg
Knowledge: Computer Networks, Operating Systems, Algorithms, Statistical Modeling, Global Macro
Trading Products: Fixed Income, Derivatives, FX, Equities, Cryptocurrencies
Additional Courses: Dale Carnegie Course, UChicago Prep Course in Calculus and Probability (Grade: 100%)

EXPERIENCE

GWN Capital Management Ltd. — Toronto, ON
Analyst (Fixed Income) — *Jan 2023 – Aug 2024*
- Developed an app using Dash for visualizing intraday movements of various securities around bond auctions/month-ends and determining optimal entry/exit times for trades, based on PCA weightings and average basis point moves since 2020
- Analyzed various financial reports (Annual Report, 10-Q) of companies to determine if they rate-locked or swapped their issuance and reported the price action of swaps on the day

GWN Capital Management Ltd. — Toronto, ON
Analyst/Developer — *Dec 2019 – Dec 2021*
- Developed a Flask application to display live VaR and PNL updates (by strategy) for each portfolio manager
- Leveraged the use of Nginx and a backup web server to set up a reverse proxy, ensuring 100% uptime of the analytics suite and allowing developers to freely deploy updates without risk of impacting end users

Office of the Superintendent of Financial Institutions — Toronto, ON
Financial Risk Analyst — *May 2019 – Aug 2019*
- Conducted an Anti-Money Laundering risk assessment through monitoring, file reviews and on-site interviews of a financial institution
- Programmed macros using Excel VBA to greatly increase the efficiency of OSFI's sector oversight updates by automating review changes and speeding up the quality control process by over two days

EXTRACURRICULAR

Wilfrid Laurier University — Waterloo, ON
Computer Science Instructional Assistant — *Sep 2019 – Dec 2019*
- Managed four weekly labs, marked assignments, and assisted students for the following courses: Intro to Programming, Windows Application Programming, Digital Electronics

Math and Statistics Learning Support Team — *Sep 2019 – Dec 2019*
- Provided four hours of drop-in help sessions for first year students every week at the Waterloo campus to aid in transitioning from secondary to university-level mathematics and computer science

ADDITIONAL INFORMATION

Interests: Personal fitness, basketball, bouldering, snowboarding, esports, karaoke, chess