

Yash Arora

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Education

University of Waterloo

Waterloo, ON | Sept 2019 – Apr 2024

Bachelor of Software Engineering, Honors

3.9 GPA (90% Cumulative Average, Dean's Honors List)

- Software Engineering Valedictorian, President of Software Engineering Society, B.P. Dammizio Scholarship recipient.
- Notable coursework: Software Design/Architecture (**98%**), Differential Equations (**98%**), Software Engineering Methods (**97%**).

Professional Experience

Jane Street

Quantitative Trader, Full Time (Incoming)

New York, NY | Starting Aug 2024

Citadel Securities

Software Engineer Intern

New York, NY | June 2023 – Aug 2023

- Developed a custom fault-tolerant library to interface with European alternative trading systems managed by Citadel Execution Services (CES), resulting in an estimated increase in order-flow of \$84,000,000 per year.
- Created a visibility tool for CES traders to track the statuses of trades at a granular level and collect metrics.

Jane Street

Quantitative Trader Intern

New York, NY | Apr 2023 – June 2023

- Performed quantitative research to develop proprietary trading strategies as part of the algorithmic options trading desk.
- Traded mock-securities against other quantitative traders in simulation environments with various market microstructures.

Software Engineer Intern

New York, NY | Jan 2023 – Apr 2023

- Developed scalable real-time systems and trading tools for the domestic (U.S.) ETFs, including an efficient zero-allocation graph-based library that enables many of our proprietary trading strategies on the desk.

Bloomberg

Software Engineer Intern

New York, NY | May 2022 – Aug 2022

- Designed and implemented a scalable fixed-income ETF analytics engine, increasing throughput by ~1500% and serving over ~65,000 price/yield requests from clients per day.
- Migrated fixed-income ETFs to use Bloomberg's existing bond data models, enabling a new set of analytics on the asset class.
- Developed an anomaly detection service for bond market-data, decreasing inaccurate published yields by > 90%.

Shopify

Software Engineer Intern

Toronto, ON | Sept 2021 – Dec 2021

- Reduced the average verification time for payment processing on storefronts built with Shopify Hydrogen to < 50 ms.
- Deployed the Hydrogen Developer Preview, currently used by Allbirds, SKIMS, and many other Shopify Plus Merchants.

Leadership

Tether – *Co-Founder, CEO*

jointether.app | Aug 2023 - Present

- Leading a team of 6 incredible engineers as we build the homepage for long distance relationships, available for free on iOS.
- Responsible for growth, product direction, user research, and overseeing our engineering efforts.

Waterloo Software Engineering Society – *President*

sesoc.uwaterloo.ca | Sept 2019 – Apr 2024

- Proposed and delivered changes in our academic curriculum, taught the introductory software engineering seminar course (SE102), and led an amazing team of students that plans sports competitions, recreational events, interview workshops, and resume critiques for over 600 Software Engineering students. I previously served as Vice President.

Waterloo Aquatic Drone Design Team – *Vision Team Lead*

github.com/waterloo-aquadrone | Sept 2019 – Dec 2023

- Led a team of developers on the computer vision team to build cognitive neural networks for underwater object recognition.
- Wrote data augmentation frameworks to collect training data for real-time image classifiers so our drone could “see.”