Monica Xu

CS / STATS STUDENT

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🎓 EDUCATION

University of Waterloo
Bachelor of Computer Science
　　Statistics Minor
　　Business Minor
September 2016 – April 2021

🛠 SKILLS

Tools: Jira, Gitlab, Asana, Figma, Google Analytics, Photoshop, Notion

Tech: Spark, Samza, Kafka, HBase, AWS, Android Studio, Bigtable, Flask

Languages: Java, Python, C/C++, SQL, R, HTML, CSS, JavaScript, Racket

🏆 AWARDS

UW WiCS GHC Scholar 2018, 2020
Granted to 40 female students pursuing a technical degree at UW. Full scholarship to attend the Grace Hopper Conference.

Bev Marshman Scholarship 2019
University of Waterloo, Faculty of Math

Hack the North Winner 2018
Top 12 of 240+ project submissions.

Square Code Camp Finalist 2018
Granted to 20 of 600+ North American female applicants. All expenses tech enrichment program at Square HQ.

Google GHC Travel Grant 2018
Full scholarship to attend Grace Hopper.

Top Scholar 2016
Top Canadian graduating GPA (100%).

Kalbfleish National Scholar 2018
University of Waterloo, Faculty of Math
For excellence in academics, contests, and extracurriculars. Valued at $14,000— the third largest scholarship at UW.

💼 WORK EXPERIENCE

Software Engineering Intern ....Sept 2020 – Dec 2020
Cockroach Labs | CockroachDB Bulk I/O
- Scoped and implemented features to promote IMPORT PGDUMP compatibility (DROP TABLE, CREATE … AS, etc.)
- Implemented row limit option to catch errors quicker for CSV, TSV, AVRO, and DUMP formats

Associate Product Manager Intern ..... May 2020 – Aug. 2020
Google | Docs Assisted Writing and Reading
- Collaborated with UI/UXR/ENG to develop product plans for grammar suggestions, Smart Compose, new features
- Synthesized data from surveys, logs, internal teams, and external sources to make data and user driven decisions
- Facilitated cross-functional presentations and meetings to align team and upper management with project goals

Forward Deployed Engineer Intern .... Jan 2020 – Mar 2020
Palantir Technologies | Palantir Foundry (EMEA Commercial)
- Collaborated with client to identify, evaluate, and scope customer use cases and technical solutions
- Built and iterated on a tool to visualize performance metrics and improve global business decision-making
- Built machine learning model to predict renege rates

Software Engineering Intern .... May 2019 – Aug 2019
LinkedIn | Notifications Backend Infrastructure
- Simulated congestion control algorithms using Python and Samza to validate business value of a dynamic rate limiter
- Built dynamic rate limiter library to intelligently consider downstream QPS in notifications ingestion workflow

Engineering Practicum Intern .... May 2018 – Aug 2018
Google | Display Ads – Engineering Productivity
- Designed and implemented an interactive dashboard for release metrics, allowing engineers to easily provide test feedback and analyze statistics
- Authored detailed design doc with project goals, timelines, UI mocks, and architecture diagrams to foster project understanding and velocity

Software Engineering Intern .... Jan 2018 – Apr 2018
Oath Inc. | Yahoo Mail Metadata & Search
- Built a log filtering tool in Java, reducing log storage by 60% and enhancing developer debugging capabilities

Full-Stack Developer Intern .... May 2017 – Sept 2017
Loblaw Digital | Click and Collect Online Grocery Shopping
- Optimized customer email subscription journeys through