

Monica Xu

4 B C S / S T A T S S T U D E N

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EDUCATION

University of Waterloo

Bachelor of Computer Science

Statistics Minor

Business Minor

September 2016 – December 2020

SKILLS

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

Technologies/Frameworks: Git, Gitlab, Spark, Samza, Kafka, AWS, Android Studio, Bigtable, Flask, Salesforce Marketing Cloud

AWARDS

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.

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

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

Top Scholar 2018
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

Associate Product Manager Intern May 2020
Google

Forward Deployed Engineer Intern Jan 2020 – Mar. 2020

Palantir Technologies | Palantir Foundry (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 business decision-making

Software Engineering Intern May 2019 – Aug. 2019
LinkedIn | Notifications Backend Infrastructure

- Simulated TCP congestion control algorithms using Python scripts and Samza applications to validate proof of concept and business value of dynamic rate limiter
- Implementing dynamic rate limiter library to more intelligently use 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
- Built time series analysis web application, enabling release engineers to identify time-related anomalies
- Migrated Bigtable API logic to GoogleSQL, reducing latency by 50%

Software Engineering Intern Jan. 2018 – Apr. 2018
Oath Inc. | Yahoo Mail Metadata & Search

- Implemented filters and simplified business logic of logging module in Java, reducing log sizes by 60% and enhancing developer debugging capabilities
- Revised scripts to improve data retrieval from HBase
- Parallelized unit tests

Full-Stack Developer Intern May 2017 – Sept. 2017
Loblaw Digital | Click and Collect Online Grocery Shopping

- Integrated Salesforce Marketing Cloud APIs and addressed client feedback, enhancing customer journeys for email subscriptions
- Designed and implemented an intuitive interface for website content customizability, enabling easier and dynamic updates of text/images/layouts
- Created Cron Jobs and Java Spring Boot applications to stub API behaviour, expediting automation testing