Monica Xu
COMPUTER SCIENCE STUDENT

(647)-526-0852
monica.xu@uwaterloo.ca
monicaxu.me
linkedin.com/in/xumonica
github.com/mokaixu

🎓 EDUCATION

University of Waterloo
Bachelor of Computer Science
September 2016 — April 2020
- Dean's Honours List (3.95 GPA)
- Business & Stats Minor

Self-Learning:

Algorithms I, Stanford University
Machine Learning, Princeton University

🛠 SKILLS

Experience with:

Java, Python, C, C++, HTML, CSS, JavaScript, SQL, R, Racket

Technologies/Frameworks:

Git, Gitlab, Spring, HBase, AWS, Android Studio, SAP Hybris, MSFT Cognitive Services, Bigtable, SalesForce Marketing Cloud, Jinja

🏆 AWARDS

Square Code Camp........... 2018
One of 20 North American females from an applicant pool of 600+ selected to partake in tech enrichment program at the Square HQ in San Francisco.

UW WiCS GHC Scholar 2018
Full scholarship to attend Grace Hopper.

Google GHC Travel Grant 2017
Full scholarship to attend Grace Hopper.

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

Kalbfleish National Scholar . 2016
University of Waterloo, Faculty of Math
For excellence in academics, contests, and extracurriculars. Valued at $14,000.

Rewriting the Code Fellow 2018

Wilfert Citizenship Award . 2016
Government of Ontario
Granted to 5 of 500 students for leadership and community involvement.

President's Scholarship ... 2016
University of Waterloo

💼 WORK EXPERIENCE

Engineering Practicum Intern .... May 2018 — present
Google **|** Google Display Ads—Engineering Productivity
- Designed and implemented an interactive dashboard for release metrics, allowing engineers to easily provide feedback and analyze statistics
- Built front end and backend for the dashboard's time series analysis feature, enabling release engineers to identify time-related anomalies
- Built data validators & configured probe services to preserve data integrity
- Migrated Bigtable API logic to GoogleSQL, doubling live query speed
- Refactored over 200 lines of code for reusability/maintainability

Software Engineering Intern .... Jan. 2018—Apr. 2018
Oath Inc. **|** Yahoo Mail Metadata & Search
- Implemented filter functionality 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
- Refactored configuration classes to enable parallelized unit tests

Full-Stack Developer Intern ....May 2017—Sept. 2017
Loblaw Digital **|** Click and Collect Online Grocery Shopping
- Coordinated with Communications department to integrate SalesForce Marketing Cloud APIs, enhancing customer journeys for email subscriptions
- Designed and implemented content customizability for website pop ups using the Hybris CMS cockpit
- Created Cron Jobs and Java Spring Boot applications to stub API behaviour, expediting automation testing and migration
- Resolved front-end and back-end bugs for online grocery account logic

Chair *(previously Big CSters Director)* .... 2016—present
Women in Computer Science **|** University of Waterloo
- Organized events to empower women & non-binary individuals in CS
- Managed and contributed to open-source repo of the WiCS Website
- Facilitated project management among 10 executives on GitLab
- Engaged with external partners to promote WiCS Sponsorship program

📄 PROJECTS

RedditBot 🔗 2018
- SlackBot: browse/post on Reddit within workplace communication channel

PushMeme (The Lady Hacks) 🔗 2017
Best Use of Amazon Web Services
- MEAN stack web app: motivate channel members by sending motivating memes

RapChatz (Starter Hacks) 🔗 2017
Best Development && Best Use of Amazon Web Services
- Amazon Alexa Facebook Chatbot: speak/type a word and the chatbot/Alexa returns context/sentiment—relevant rap lyrics

SpoilersSuck (Hack the 6ix) 🔗 2017
- Chrome Extension: blurs Game of Thrones spoilers (images, text)