Monica Xu
COMPUTER SCIENCE STUDENT

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🎓 EDUCATION

University of Waterloo
Bachelor of Computer Science
September 2016 — April 2021
- Dean's Honours List (3.95 GPA)
- Business & Stats Options

Self-Learning:

Algorithms I, Stanford University
Machine Learning, Princeton University

✎ SKILLS

Experience with:

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

Technologies/Frameworks:

Git, Gitlab, Spring, HBase, Amazon Web Services, Android Studio, SAP Hybris,, Microsoft Cognitive Services, Bigtable, GoogleSQL, SalesForce Marketing Cloud

🏆 AWARDS

Square Code Camp............2018
One of 20 girls in North America selected to partake in week long tech enrichment program at the Square Inc. HQ in SF

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

Top Scholar 2016
Highest graduating average (100%) in Ontario

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 | Display Ads—Engineering Productivity
- Designed and implemented an interactive dashboard for release metrics
- Planned, documented, and updated weekly goals to maintain project velocity
- Created data validators to preserve data integrity and address error cases
- Built Time Series feature with Soy template, Material Design UI, and Python backend to enable developers to see release metric trends over time.
- Wrote GoogleSQL to increase speed of live queries of Bigtable by over 200%
- 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 size 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 list subscriptions
- Worked with Marketing team to design and implement 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
Best Use of Amazon Web Services
- Social site: promote personal/group productivity with memes

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