Monica Xu

LOOKING FOR SUMMER 2019 SWE/PM INTERNSHIPS

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🎓 EDUCATION

University of Waterloo
Bachelor of Computer Science
September 2016 — present
- Dean's Honours List (3.95 GPA)
- Statistics Minor
- Business Option

🛠 SKILLS

Languages:
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, Flask, Salesforce Marketing Cloud, Jinja

🏆 AWARDS

Square Code Camp 2018
Granted to 20 of 600+ North American female applicants. Opportunity to partake in tech enrichment program at the Square HQ in San Francisco.

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 2017
Full scholarship to attend Grace Hopper.

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

Kalbfleish National Scholar . 2016
University of Waterloo, Faculty of Math
For excellence in academics, contests, and extracurriculars. Valued at $14,000—the third largest scholarship at UW.

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 — 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 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, reducing latency by 50%
- Refactored over 200 lines of code for reusability/maintainability

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
- Refactored configuration classes to enable concurrent unit tests

Full-Stack Developer Intern .... May 2017—Sept. 2017
Loblaw Digital | Click & 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 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
- Built with Python, Slack API, and Dialogflow

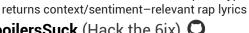**PushMeme** (The Lady Hacks) ⬤ 2017
Best Use of Amazon Web Services
- MEAN stack web app: motivate channel members by sending inspiring memes

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 textual and graphic spoilers