

# 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, Bigtable,  
Flask, Salesforce Marketing Cloud

## AWARDS

### Hack the North Winner ..... 2018

Top 12 out of 240+ Submissions at  
Canada's largest hackathon.

### 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 frontend 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

### TapKey! (Hack The North ) ..... 2018

Winner

- Three factor authentication service - "Yubikey with fingerprint sensor"

### RedditBot ..... 2018

- SlackBot: browse/post on Reddit within workplace communication channel
- Built with Python, Slack API, and Dialogflow

### 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