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)

Bayview Secondary School
Ontario Secondary School Diploma
International Baccalaureate Diploma
September 2012 — June 2016

Self-Learning:
Algorithms I, Stanford Univesity
Machine Learning, Princeton University

🛠 SKILLS

Experience with:

Java, Python, C, C++, Racket, HTML, CSS, JavaScript, Node.JS, React.JS, R

Tools/Frameworks:

Git, Spring, SQL, HBase, AWS, Android Studio, SAP Hybris, Microsoft Azure, SalesForce Marketing Cloud

🏆 AWARDS

Google GHC Travel Grant && UW WiCS GHC Scholarship 2017
Google && University of Waterloo
Awarded to select outstanding females in tech

Top Scholar 2016
York Region District School Board
Highest graduating average (100%) in Ontario

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

Rewriting the Code Fellow 2017
Rewriting the Code Fellowship

B. Wilfert Citizenship Award 2016
Government of Ontario
Granted to 5 of 500 students for excellence in community and academic involvement

💼 WORK EXPERIENCE

Incoming Engineering Practicum Intern ....May — August 2018
Google | Ads—Production Engineering

Software Engineering Intern ....Jan. 2018—present
Oath Inc. | Yahoo Mail Metadata & Search
- Implemented filter functionality and simplified business logic of log module, reducing log sizes by 60% and enhancing developer debugging capabilities
- Revised scripts to improve data retrieval from HBase
- Refactored Configuration classes to eliminate need to hard-code Unit Test configuration settings, allowing for testing with most up-to-date data

Full-Stack Developer Intern .... May 2017—Sept. 2017
Loblaw Digital | Click and Collect Online Grocery Shopping
- Integrated SalesForce Marketing Cloud APIs using Java
- Implemented content customizability through Hybris CMS cockpit
- Created Cron Jobs and Spring Boot applications to stub API behaviour, expediting automation testing and migration
- Wrote and unit tested methods under the Spring MVC Framework
- Resolved front-end and back-end bugs for online grocery accounts

Chair ....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 WiCS Website
- Facilitated project management among 10 executives on GitLab

Undergraduate Teaching Assistant ....2017—present
Faculty of Mathematics | University of Waterloo
- Organized seminars and marked assessments for Algebra courses

📰 PROJECTS

RedditBot (The Lady Hacks) ⚙ 2016
Best Use of Amazon Web Services
- Social site: promote personal/group productivity with 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)

Sojourn (PennApps) ⚙ 2017
Top 30 out of 200 submissions
- iOS geo-caching game to promote tourism, data collection, fitness: photo—taking challenges for Google Maps street view images

GWhack! AMole ⚙ ▶ 2016
- Android arcade game: set high scores by hitting avocado sprite