

Monica Xu

C S / B B A S T U D E N T

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

SKILLS

Proficient in:

Java, Python, C, C++, Racket, HTML, CSS

Familiar with:

JavaScript, C#, React.JS, Node.JS

Tools/Frameworks:

Android Studio, Git, Spring MVC, SQL,
Amazon Web Services, Hybris, Docker,
Microsoft Azure, Photoshop, Illustrator,
Bootstrap, Figma

AWARDS

**Grace Hopper Conference
Scholarships Recipient**2017

Google & University of Waterloo

Awarded to select outstanding females in CS

Top Scholar2016

York Region District School Board

Awarded for Highest Top 6 Average (100%)

Kalbfleish National Scholar2016

University of Waterloo, Faculty of Math

For excellence in academics, Waterloo math
contests, and extracurricular activities

Citizenship Award2016

Government of Ontario

For outstanding character, leadership, and
community involvement

Certificate of Excellence2016

City of Markham

For outstanding contributions to youth-
involvement in the City of Markham

Int'l Debate Finalist 2013-2016

Oxford, York, Osgoode, Queen's Debating Unions

EDUCATION

University of Waterloo

Bachelor of Computer Science

September 2016 – April 2021

- Dean's Honours List (92% average)

Wilfrid Laurier University

Bachelor of Business Administration

September 2016 – April 2021

Bayview Secondary School

Ontario Secondary School Diploma

International Baccalaureate Diploma

September 2012 – June 2016

PROJECTS

RapChatz (Starter Hacks) 2017

Best Development && Best Use of Amazon Web Services

- Chatbot with Amazon Alexa Skill: speak/type a word and the chatbot/Alexa returns context/sentiment-relevant rap lyrics

FoodMe (Microsoft Hacks) 2017

- Machine vision app: take pictures of food and get nutrition facts

PhillGood (PennApps) 2017

- Website: Python algorithm that analyzes Open Data Philly databases and assesses danger level of user input Philadelphia address

PushMeme (The Lady Hacks) 2016

Best Use of Amazon Web Services

- Social site: promote personal/group productivity with memes

GWhack! AMole  2016

- Android arcade game: set high scores by hitting avocado sprite

WORK EXPERIENCE

Software Development Intern2017–present

Click and Collect Online Grocery Shopping | Loblaw Digital

- Implemented APIs to enhance email marketing campaigns
- Designed system for access token refresh/request
- Created CronJobs to update data for testing and simulations
- Created JUnit tests and API stubs for automation tests
- Resolved front-end and back-end bugs for customer accounts

Big CSters Director2016–present

Women in Computer Science | University of Waterloo

- Organized events to empower women in tech fields
- Contributed to open-source website project
- Facilitated planning and communication on GitLab with IRC

Co-Founder & Instructor2015–present

World Scholar Prep

- Built online education platform connected to Google Classroom

Co-Chair2014–2016

Markham Mayor's Youth Council | City of Markham

- Organized the Markham Expo: largest youth-run event in the GTA that unites 6,000+ youth in celebration of youth achievement
- Oversaw and delegated tasks to a committee of 24 youth leaders

Applied Innovation Intern2014

Royal Bank of Canada | Technology & Operations

- Pitched ideas to integrate modern tech in banks & workspaces