

SHIRLEY MIAO

EDUCATION

University of Waterloo | Honors B.Sc. Computer Science | June 2018 (*expected*)

WORK EXPERIENCE

Software Engineering Intern, Facebook, Menlo Park, CA | Fall 2015

- Working on the Internationalization team to implement Android and full stack features that make Facebook more accessible to international users, using Java and PHP.

Software Engineering Intern, Google, Mountain View, CA | Summer 2015

- Developed an automated and manual latency testing framework on the Sales Platform team, for use by front end AngularDart developers at Google
- Created a schema for producing data for and consuming data from the framework
- Designed a comprehensive UI for the manual testing application

Software Developer, InkChat, University of Western Ontario | Summer 2014

- Developed a collaborative handwriting web application that allows for real-time digital ink streaming and math text input. Visit at <http://inkchat.org/>.

Software Development Intern, Sunnybrook Research Institute | Summer 2013

- Wrote a MATLAB program to model wave propagation in body tissues using 3D arrays
- Created a GUI to visualize 3D tissue regions as consecutive 2D planes

EXTRACURRICULARS / PROJECTS

Organizer/Sponsorships Lead, Hack Western 2015 | September 2014 – March 2015

- Organized the first large-scale, 400-person hackathon at UWO
- Procured over \$68,000 in sponsorships from partner organizations and companies

JogWith.Me, UofTHacks 2015 Project | January 2015

- Built an Android/Pebble app that matches two runners anywhere in the world, providing each with real-time Google Fit run statistics as they virtually run together

IHateSnow, MHacks IV Project | September 2014

- Built an Android app that maps and describes the shortest path from one building on campus to another using Dijkstra's algorithm, prioritizing indoor tunnel routes

Co-Founder/Undergrad Chair, Women in Technology Society | May 2014 – April 2015

- Launched a faculty-supported group that promotes female students in technical fields through workshops, socials, and industry guests

Filte(RED), Square College Code Camp Hackathon for (RED) | August 2014

- Created the winning web app at a 12-hour hackathon held to raise awareness for (RED)
- Used Fabric.js/Codebird.js libraries to edit uploaded photos and export to Twitter

SKILLS

- Languages:** Java, PHP, JavaScript, Dart, HTML/CSS, MATLAB, Python, MySQL
- Libraries/Frameworks:** Android, Angular, Pebble, Node.js, Parse

AWARDS

Google Grace Hopper Celebration Scholarship Recipient | August 2015 and August 2014

- Selected to receive an international merit-based award towards the full costs of attending the Grace Hopper Celebration for Women in Computing in 2014 and 2015

Square College Code Camp Participant | July 2014

- Selected as one of twenty female Computer Science students from across North America to attend an immersive code camp hosted by Square