

# MICHELLE MABUYO

## SOFTWARE ENGINEERING STUDENT

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## PROFILE

Pursuing a career in mobile and front-end web development as a future graduate with a computer software engineering background. Passionate about creating first-rate user experiences and impactful applications using my technical skills, attention to detail and resourcefulness.

## WORK EXPERIENCE

### CNPHI COOP STUDENT

JAN - AUG 2015  
MAY - DEC 2016

EDMONTON, AB

#### Public Health Agency of Canada

- Developing, testing and documenting a cross-platform mobile application to support data collection for the Canadian Network of Public Health Intelligence platform
- Working independently on primarily front-end development using evolutionary prototyping to deliver a beta version of the product within the eight month deadline
- 🛠 Apache Cordova, JQuery Mobile, KnockoutJS, CSS, i18next, Android, IBM's MobileFirst platform

### TECHNOLOGY SUMMER STUDENT

JUN - AUG 2014

EDMONTON, AB

#### Deloitte

- Replaced laptops for over 50 employees, updating inventory, prepping laptops, troubleshooting data migration issues and decommissioning end-of-lease laptops
- Set up dual monitors for the tax department, troubleshooting hardware and display issues in order to increase work productivity
- Prioritized and delivered regular depot activities such as hardware equipment sign-outs, incident management, processing hires & departures

### SUMMER STUDENT MUSEUM ASSISTANT

MAY - AUG 2013

WETASKIWIN, AB

#### Wetaskiwin & District Heritage Museum

- Conducted research on two women for the Women of Aspenland exhibit, involved extensive data collection, rigorous interviewing, and panel and exhibit design
- Facilitated school tours for 20 students at a time (kindergarten to grade 3)

## SKILLS



LANGUAGES Python, Java, Ruby, C

MOBILE Cordova, iOS, Android

WEB jQuery Mobile, HTML, CSS, Bootstrap, KnockoutJS

OTHER Arduino, Particle Photon, Sketch3

## PROJECTS

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### MODERNIZED WEASLEY CLOCK

A Harry Potter-inspired clock that shows the location of family members

- Hack the North 2016 Winner, team of two
- 🔧 iOS app, Swift, hardware: Particle Photon, Neopixels and sensors

### HAMSTER HOME

A webpage connected to a hamster cage that monitors a hamster's wellbeing

- Hack The North 2015 Winner, Firebase API Winner, team of two
- 🔧 Bootstrap, Firebase, Arduino, Raspberry Pi

### FLIGHT BOOKING

A command-line interface for a flight booking system

- Databases course project, team of three
- 🔧 Python, SQLPlus

### LASER HARP

An instrument with projected laser beams that played customizable music

- Student group project, worked on the audio, organized demonstrations
- 🔧 Arduino, hardware: lasers, WAV trigger, TFT touch display

## LEADERSHIP

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### DISCOVER E

#### **Girls' Coding Club Volunteer (2013 - 2017, 4 semesters)**

- Taught grades 3-5 girls computing science concepts using Scratch, website development and Python

### ENGINEERING STUDENTS' SOCIETY

#### **Associate Vice President Publications (2015 - 2017)**

- Chief Editor of *The Bridge*, the engineering student magazine

#### **Engineering Head Shave Coordinator (2013 - 2015)**

- Co-organizer for event to raise funds for the Alberta Cancer Foundation

### COMPUTER ENGINEERING CLUB

#### **VP External (Winter 2017)**

- Organizing ECE Week & HackEd, representing the club to industry sponsors

### SPIE STUDENT CHAPTER

#### **Vice President (2015 - 2016)**

- Organized events and coordinated volunteers
- Delivered biweekly newsletters using MailChimp

## EDUCATION

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### UNIVERSITY OF ALBERTA 2012 - 2017

#### **BSc Computer Software Engineering, Co-op**

- GPA 3.3 / 4.0
- Courses included Software Requirements, Software Engineering, Software Testing, Databases, Object-oriented Design, OS Concepts, Computer Interfacing