

Tiffany Cheung | <https://tiffanymcheung.com> | 226 972 5582 | tm3cheun@edu.uwaterloo.ca

Skills

- **Languages:** Java, C/C++, MATLAB
- **Web development:** AngularJS, Ruby on Rails, JavaScript, HTML5, CSS3, JQuery, PHP, Node.js, MongoDB, Git
- **Mobile development:** Android

Employment History

PHP Software Engineer

August 2015 - December 2015

Mercatus Technologies (Toronto, ON)

- Designed and developed multiple core modules for e-commerce application using **PHP** and **AngularJS**
- Converted application to responsive design
- Integrated Karma testing framework and wrote unit and UI tests in Jasmine for all controllers and services

Signal Processing Algorithm Developer

January 2015 - April 2015

ON Semiconductor (Waterloo, ON)

- Developed, optimized, and tested audio processing algorithms in **C** and **MATLAB**
- Automated sound room testing for voice trigger DSP at different SNRs in **Java**

Software Engineering Intern

April 2014 - August 2014

Grand Rounds (San Francisco, CA)

- Worked across the full-stack on **Ruby on Rails** using MVC design pattern
- Wrote unit tests for all new features and bug fixes with **RSpec**
- Participated in the development of company's first mobile app built on **Enyo**
- Developed REST APIs on **Puppet** for internal usage

Education

Bachelor of Applied Science, Honors Mechatronics Engineering

University of Waterloo, Waterloo, ON

September 2012 – April 2017

Relevant Projects/Labs

OmniNav (Fourth Year Design Project)

- Designed and built a navigation belt for the visually impaired using an **Arduino**
- Developed an **Android** app in **Java** using Google Map's API to provide directions to the belt by a touch screen and voice command interface
- **Website:** <http://omninautotech.com> **GitHub:** <https://github.com/adijunnarkar/GBelt>

Personal Website

- Personally designed and developed a web application using **AngularJS** to serve as a portfolio
- **Website:** <https://tiffanymcheung.com> **GitHub:** <https://github.com/tm3cheun/tm3cheun>

Emaily (Hack Princeton)

- Built a Facebook chatbot using Microsoft's AI Luis to remind a user of the emails they have read but not responded to in the last 24 hours and offers choices to ignore or set reminders
- **Technologies:** Node.js, Heroku, MongoDB, HTML5, CSS3, JavaScript, Microsoft's AI Luis
- **DevPost:** <https://devpost.com/software/emaily> **GitHub:** <https://github.com/davidshi1997/Emaily>