

# Ivan Shen

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*ivanshen.me*

*github.com/ivanshen*

## Education

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### University of Toronto

- BSc. Computer Science – Computer Science Specialist Program

*2015 – 2019*

## Professional Experience

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### Treasury Board Secretariat of Canada – Central Agencies I&IT Cluster

*May – September 2016*

Software Engineering Intern – Premier's Greetings team

A congratulatory greetings request system for the residents of Ontario.

- Developed custom admin tables to display and organize ~80,000 requests per year in AngularJS.
- Created a graphing tool that allows administrators to graph filtered request data in AngularJS.
- Developed request validation forms that are responsive to a user's request type using JQuery.
- Reduced annual budget cost by \$84,000 by recreating the Postal Code Lookup service using Google Maps API and AngularJS instead of a previous paid lookup service.
- Researched and wrote a guide on how to migrate Microsoft SharePoint lists between SharePoint sites. Published on my blog: <http://bit.ly/2bKYonD>

## Personal Projects

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### BabyBuddy – Break Poverty Hackathon

**HTML, CSS, JavaScript (AngularJS)**

- A simplified informational resource to guide women through the months of pregnancy.
- Includes beneficial convenient tips for pregnant women to assist them during pregnancy.
- Published at <http://ivanshen.me/babybuddy>

### SpotiKeys – Ridi6ulous Summer Hackathon

**Java, AppleScript**

- A Spotify extension to allow users to bind custom hotkeys to control Spotify.
- Published at <https://github.com/ivanshen/SpotiKeys/releases>

### SwapWithMe – Deltahacks II

**HTML, CSS, JavaScript, MongoDB (Meteor)**

- A textbook exchange platform to simplify the process of searching for courseware.
- Allows for users to filter specific search results such as buying or selling intentions, search tags, and availability.
- Available at <https://github.com/paulxuca/Item-Swap>

### Help Me Up – Brain Hacktivity – DementiaHack

**Java, Python, MongoDB**

- A patient monitoring Android app for patients with dementia using Machine Learning that alerts caregivers of a patient's fall and circumstances.
- Designed and implemented emergency alerting, patient visibility, patient coordinate location, and alarm features within the application.
- Read more at <http://devpost.com/software/helpmeup>

### Se7en – UofT Hacks II

**HTML, CSS, JavaScript (AngularJS)**

- A fun and addicting web game to test the speed of your arithmetic!
- Achieved 100+ games played.
- Published at <http://ivanshen.me/Se7en/>

## Skills

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Preferred: Python, Java, HTML, CSS, JavaScript, Git

Some Experience with: Android development, MongoDB, MySQL, C#

Frameworks: Bootstrap, AngularJS, Meteor