

# Ivan Shen

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[ivanshen.me](http://ivanshen.me)

[github.com/ivanshen](https://github.com/ivanshen)

## 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

- Developed an automated tool to retrieve certificate templates from SQL database based on request type in C#.
- Implemented customizable interface management tables to handle and organize 20,000 requests per year using Angular UI Grid.
- Created a global filter functionality on Angular UI Grid, previously not supported.
- Developed Postal Code Lookup service using Google Maps API.
- Demoed application prototype to the Premier's Office.
- Researched and wrote a tutorial for colleagues on how to migrate Microsoft SharePoint lists between SharePoint sites. Published on my blog: <http://bit.ly/2bKYonD>

## Education

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### **University of Toronto**

- BSc. Computer Science – Computer Science Specialist Program 2015 - 2019

## Personal Projects

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### **BabyBuddy**

**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**

**Java**

- Built a Spotify extension to allow users to bind their own custom global hotkeys to control Spotify from anywhere on their computer.
- Available at <https://github.com/ivanshen/SpotiKeys>

### **SwapWithMe**

**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**

**Java, Python, MongoDB**

- A patient monitoring Android app for patients with dementia using a neural network 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**

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

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

## Skills

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Preferred: Python, Java, HTML, CSS, Javascript, and Git

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

Frameworks: Bootstrap, AngularJS, Meteor