Ivan Shen

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Professional Experience

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

University of Toronto

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

Personal Projects

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

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.
- Published 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/

Who Are You, Really?   **Java**

- A learning styles quiz that breaks down a user's best learning styles in percentages and displays the results in multiple graphs.
- Allows the option of user customizability.
- Available at https://github.com/ivanshen/Who-Are-You-Really

Skills

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

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

Frameworks: Bootstrap, AngularJS, Meteor