

# Jacob Friesen

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## PROFILE

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- Bachelor of Computer Science (Honours) student who is graduating in May 2013.
- One year of on the job web development experience complemented with over six years of developing websites in my spare time.
- Deep understanding of JavaScript with experience in client side, server side and phone environments.

## TECHNICAL SKILLS

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### **Programming** - Languages - <Libraries> - [Frameworks] - *Other*

- Several Years With: JavaScript (pure, <ExtJS>, <jQuery>, <Underscore>), HTML/CSS, Java
- Work Experience: Python, [Django], Ruby, [Ruby on Rails], JSP, [JSF], XML, JSON, [AJAX], SQL, *Object Oriented Programming (Class and Prototype based)*
- General Experience: C/C++, C#, Jade, Node.js, Objective C, PHP, ZPL, Assembly

### **Back End** - Servers - <Databases> - [Version Control]

- Several Years With: Apache HTTP Server
- Work Experience: <PostgreSQL>, Apache Tomcat Container, [Git], [CVS]
- General Experience: <IBM DB2>, <MySQL>, WEBrick

### **Environment** - Operating Systems - <Editors/IDEs> - [Phones]

- Work Experience: Linux, Windows, Mac OS X, <Eclipse>
- General Experience: [iPhone], [Android], <Visual Studio 2008 and 2010>, <VIM>

## WORK EXPERIENCE

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### **2012 May - August Co-op Term 3**

**Web Developer, [CanadaDrugs.com](http://CanadaDrugs.com)**

Improved Panda, the internal web application. Panda manages the business from all of the pharmacy sites. Worked in an Agile Environment.

- Using HAML (HTML templating), JavaScript (lots of jQuery and AJAX), and SCSS, designed and updated many front end interfaces.
- Implemented server code in Ruby on Rails which connected to a MYSQL database.
- Improved small HR application which had a Twitter Bootstrap interface and a Ruby on Rails backend.

### **2011 August - December Co-op Term 2**

**Web Developer, [Iders](http://Iders.com)**

Defined the Inventory Location Management (ILM) system architecture and user experience of the Iders Information Management (IMS) website.

- Designed the front end (client side) with Javascript (ExtJS library) and HTML/CSS.
- Implemented the back end server code using Django with a PostgreSQL database. Coded multiple types of devices including an Android phone and Zebra printer to provide and extract data from the ILM system.
- Improved efficiency of page loading and GUI function in addition to adding some extra features to the core IMS website.

**2011 January - April Co-op Term 1**

**Web Developer,**  
[Agriculture and Agri-Foods Canada](#)

Redesigned and managed the back end (server side) of all the Rural Water Resources Planner website's tools using Java.

- Redesigned and managed the front end (client side) of the website using a mix of JSF, HTML/CSS, and JavaScript. Client side development mainly involved designing graphical user interfaces for the website's tools.
- Participated in defining user experience, page designs, software architecture and other web application essentials for the whole website.

**2010 May - August**

**Crew Member, Wendy's**

**2009 June - August**

**Landscaper, Little Buds Tree Farm**

## **VOLUNTEER EXPERIENCE**

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**2009 Winter Donation Assistant, Five Days for the Homeless  
U of Manitoba, MB**

- Operated a donation booth with another person to convince people to donate.
- Assisted in handing out flyers to university students passing by.

**2007 - 2008 Council Member, Student Council  
Westwood Collegiate, MB**

- Introduced original ideas for events as well as evaluated and discussed other ideas for events.
- Assisted in the organization and planning of events in the year.
- Also helped on the day of the events with event details.

## **INTERESTS**

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In my spare time I work on web projects, applying new technologies and ways of coding to help solve the problems I encounter. Currently I am in the Winnipeg.js group.

## **REFERENCES**

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References available on request.