

Angela Tompkins

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PROFILE

I am a recent graduate with broad co-op and consulting experience and a passion for dynamic programming languages, open source software and web standards.

EXPERIENCE

- 2008-Present **Software Developer (Contractor), RadiSys Canada Inc., Burnaby, BC**
- Definition and creation of customer-facing software CD releases.
 - Responsible for all phases of creation of a web application designed to ease the process of CD definition and automate the CD creation and release.
- 2008-Present **Localization Specialist (Contractor), RadiSys Canada Inc., Burnaby, BC**
- Research of language syntax for several foreign languages.
 - Development of XML syntactical rules to determine, using a number spell-out algorithm, the pronunciation of numbers, time, date and money using a small number of recorded clips.
- 2006-2008 **Software Developer, RadiSys Canada Inc., Burnaby, BC**
- Maintenance and enhancement of an automated firmware testing framework in a networked Linux environment, using Python & Django, PHP, Expect, and MySQL.
 - Conversion of a large number of Tcl Expect scripts to use the Python PExpect library.
 - Responsible for design and code-quality improvements to the framework, reducing the number of developers required to maintain it from four to one.
- 2004-2005 **Web Developer, boats.com, Vancouver, BC**
- Maintenance and testing of an auction web application using J2EE technologies and JUnit.
 - Development and maintenance of stored procedures for Oracle.
 - Development of data migration and backup tools.
- 2000-2003 **Freelance Web Developer, Vancouver, BC**
- Design and creation of several cross-browser compatible static web sites for small companies, using HTML, CSS and JavaScript.

EDUCATION

- 2002-2008 **Bachelor of Science, Computing Science**
Simon Fraser University, Burnaby, BC

SKILLS

- Test driven object oriented development in Python, PHP, Java and Ruby
- Web standards: HTTP, XHTML, DOM, progressive enhancement using CSS and JavaScript
- MVC web frameworks: Ruby on Rails, Django, Pylons
- JavaScript libraries: JQuery, Prototype
- Version control systems: SVN, PVCS, ClearCase
- Basic Linux system administration

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PROJECTS

CmptCMS

A miniature content management system for posting news updates. The CMS uses PHP and the Smarty templating system. Designers and content editors are isolated from the majority of the PHP logic. Implemented in a team of four students as a demonstration of the power of Smarty.

XHTML to Text Parser

An application using the PHP SAX and cURL libraries to retrieve and parse a valid XHTML page located on the internet and return a formatted plain text page with its content.

Catalogue Creation System

A Java servlet/JSP application designed to allow supermarket managers to create and edit online catalogues. Interfaced with a MySQL database using JDBC. Designed and implemented as a team of five students using a standard software development process from requirements analysis through design, implementation and testing.

INTERESTS

- Personal web design and development since 1999, including experimentation with several content management systems, web frameworks and JavaScript libraries.
- Finding elegant Python solutions to Project Euler math problems.
- Functional programming in Haskell
- Graphic design, including design for a graduation ceremony program, logos for small businesses and templates for a collectible card game.
- Digital photography and photo editing using Photoshop
- Typography and type design
- Painting and illustration, including a Maple Ridge Art Gallery showing in 2002