

Mark Monteiro

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SKILLS SUMMARY

- Education and work experience in several programming languages including Ruby, C#, C++, C, Java, Visual Basic, SQL, Python, Bash Scripting, and Scheme in both Windows and Unix environments
- Personal and work experience in the specification, design and implementation of several websites and web applications involving the use of Ruby On Rails, ASP.NET MVC, Bootstrap, SASS, Coffeescript, JQuery, PHP, HTML5, Python, SQL and SOAP
- Experience designing and developing complex multi-threaded applications
- Experience with working in an agile software development cycle, including design, review, implementation, testing and verification
- Proficiency in developing applications using a test-driven approach (unit testing)

EDUCATION

Bachelor of Computer Science Degree, University of Waterloo, Sept/2009 – April/2015

- Experience and knowledge in various computer programming paradigms using various programming techniques and languages including Scheme, C, C++ and bash scripting
- Advanced understanding of inner computer workings and operations

Relevant Courses: Distributed Systems, Concurrent and Parallel Programming, Artificial Intelligence, Database Management, Data Structures and Data Management, Operating Systems, Object-Oriented Software Development

WORK EXPERIENCE

SketchUp Plugin Developer, Renoworks, July/2015

- Contract job to develop a proof-of-concept exporter for SketchUp. The exporter rendered a view of the current 3D model in a 2D format that could be used in the Renoworks renderer
- Plugin was developed in Ruby and C++ using the SketchUp API
- Development involved the use of the C++ Clipper library for performing binary operations on sets of polygons

Full-Stack Engineer, Grand Rounds Inc., Sept/2014 – Dec/2014

- Worked on the main company website and several internal tools, with both front-end and back-end development
- Technology stack included Ruby On Rails, Slim, Sass, Coffeescript, Bootstrap and RSpec
- Experience working under the agile methodology, using test-driven development

Web Developer, Innovaction, Feb/2014 – April/2014

- Worked with a small university-based start-up company on various projects
- Developed several websites to promote company products
- Created a web server which interacted with the Foursquare API to track check-ins at client venues

Web Developer, Phoenix Interactive Inc., May/2013 - August/2013

- Oversaw the design and development of a new 'proof-of-concept' developer portal
- Worked on the project from start to finish. This included the creation of potential use cases for the site, low-level design, implementation, documentation, and a final presentation of the completed work to company executives

Software Engineer, TangramCare, January/2013 – March/2013

- Worked with a small start-up team to design and develop a new home healthcare application
- Contributed to the development of the Android mobile application, web server and database
- Technologies used included Python, Java, Tornado Web Server, HTML5 and MongoDB

Software Developer, Phoenix Interactive Inc., May/2012 - August/2012

- Designed, coded, reviewed, tested and validated software as part of an agile development team
- Participated in estimation and planning

Software Support Specialist, Research In Motion Ltd., September/2011 - December/2011

- Provided software support for several developer tools including JIRA, Rally, Perforce and Quality Center (managing user permissions, answering questions, performing administrative tasks etc.)
- Created two web applications for the support team during spare time

Summer Student Worker, Paton Controls Ltd., Sarnia, ON, July/2010 - August/2010

- Worked as part of a team on engineering projects for chemical plants that dealt with process control and instrumentation
- Built a database in Access containing instrumentation data and created interfaces to organise the data
- Gained experience in using Microsoft Visio, Visual Basic, Access and process control system architecture
- Created and carried out a presentation for the company for the monthly safety meeting