

# Karol Tinsley

## SKILLS & INTERESTS

**Languages:** C++, C#, C, Java, Bash

**Web:** HTML, CSS, ASP.NET (Web forms & MVC), PHP 5, JavaScript, jQuery (UI), AJAX

**Databases/Data Mining:** MSSQL, MySQL, DB2, SSRS, SSIS

**Tools:** Git, Vim, Perforce, Visual Studio, Adobe Photoshop

**Operating Systems:** Windows, Mac OSX, Linux, Windows Server 2003/2008

**Interests:** User Interfaces, Database Applications, Artificial Intelligence, and Graphics

## WORK EXPERIENCE

### Research in Motion

Software Profiling Developer

May 2012 – August 2012

- Designed, developed and deployed multiple SSRS reports using advanced SQL queries for executive level inquiries.
- Developed SSIS job transferring data from an ORACLE database to MSSQL with file I/O and input parsing in C#.

### Research in Motion

Software Tools Developer

Sept. 2011 – Dec. 2011

- Designed and restructured all ASP.NET reporting tools maintained by OS Profiling under one unified web interface and upgraded from .NET 2.0 to 4.0.
- Contributed to the redesign as well as initial development for a web tool maintained by OS Development Tools, written in ASP.NET MVC 3 Razor in C# using agile development.

### Research in Motion

Software Tools Developer

Sept. 2010 – Dec. 2010

- Maintained internal web tools written in ASP.NET with C#, working extensively with ADO.NET to complete multiple feature requests and bug fixes.
- Optimized the front end HTML/CSS for the web tools to allow for better cross browser compatibility and code readability.

### BMO Bank of Montreal

Web Developer

Jan. 2010 – April 2010

- Designed and implemented a meeting room scheduler in ASP.NET with C#.
- Developed and maintained multiple web projects across the BMO network concurrently using ASP VB, HTML, CSS and Javascript.

### Christie Digital

Software QA

May 2009 – August 2009

- Rewrote test automation scripts in VBScript to allow for cross compatibility with Java and .NET Windows applications.

## PROJECTS

### Chao Stats

Nov. 2012 – Current

Web tool created using custom PHP MVC framework to keep track of chao statistics, races and karate matches from the videogame Sonic Adventure 2 Battle.

### XLib Side Scrolling Game

January 2013

Used Xlib and C++ to create a side scrolling video game where the player controls a helicopter and drops bombs on missiles/missile launchers.

### BIBSearch

November 2012

A catalog of books, journals, articles, etc. that allows users to insert publications, and view publications by author, or by publication ID. Written in C++ with static embedded SQL.

### Funky Sneakers

November 2012

C++ program that uses dynamic programming and graph algorithms to determine based on social network data and celebrity demand which celebrity endorsements will maximize publicity within a fixed budget.

### Straights

July 2011

Fully object oriented C++ program that emulates the card game Straights, with two playable versions and up to four computer players.

## EDUCATION

### University of Waterloo

Candidate for Bachelor of Computer Science with Software Engineering Option

September 2008 – Current