**LIST OF QUALIFICATIONS**

* Familiar with imperative, functional and object-oriented programming
* Committed to learn and develop new skills
* Very organized, able to complete tasks ahead of time efficiently
* Excellent interpersonal, verbal, and written skills
* Team player, detail-oriented, and responsible

**COMPUTER SKILLS**

* Experienced with Scheme, C, Turing, and JavaScript
* Familiar with Python, Java, HTML5, CSS3, PHP, jQuery, and bash (command line)
* Working knowledge of graphs, trees, recursion, algorithms, and data structures
* Understands PhotoshopCS6, DreamweaverCS6, SSH, and AutoCAD

**REVELANT PROJECTS**

**Self Website, HTML5 CSS3 JavaScript jQuery February 2014**

* Implemented website with jQuery effects, such as animate, delay, and fade
* Used HTML5 and CSS3 standards to make a functional website portfolio

**Game Development Project, Turing January 2014**

* Used Turing to create an arcade style game that implemented modularization
* Integrated gif, jpg, and mp3 files within the program in addition to GUI features
* Used PhotoshopCS6 to design and create unique pictures for my game

**Knight’s Tour, Racket/Scheme January 2014**

* Algorithm that ensures the Knight on a board will visit every square once
* Implemented Warnsdorff’s Rule, a heuristic to increase efficiency
* Related graphs and algorithms to create a method to solve a board of any size

**UW-API, Racket/Scheme January 2014**

* Created a function that displays a students schedule and course related data
* Designed a process that lists the campus food in order of lowest fat content

**Encoding Tree Compression, Racket/Scheme November 2013**

* Extended knowledge of trees by using encoding tree rather than BST
* Designed algorithm to find compression ratio of variable and fixed length trees

**Basement Renovation Project, AutoCAD June 2012**

* Surveyed basement dimensions to optimize space
* Designed detailed basement renovation layout with AutoCAD

**LEADERSHIP EXPERIENCE**

**University of Waterloo Math Society representative September 2013 –**

* Elected computer science representative for Math SOC fall 2A term

**Computer Science Club January 2014 –**

* Member of CSC, volunteers frequently on club events

**Math orientation developer January 2014 –**

* Candidate for MOD position, will create events for first year math students

**Senior home caregiver (Elspeth Heyworth Centre) July 2011 – May 2012**

* Taught seniors to use the internet, email, and Microsoft Word

**EDUCATION**

**University of Waterloo September 2013 –**

* Honours Computer Science, Business Option (1B term)
* President’s Scholarship

**Professional Development January 2014 –**

* Enrolled in online Java programming course
* Developing object oriented programing techniques

**The Algorithm Design Manual – Steven Skiena December 2013 –**

* Learning various algorithms and analyzing their efficiency

**INTERESTS**

* Reads blogs regarding consumer electronics and gadgets
* Open sources projects on GitHub
* Website design
* Plays League of Legends
* Loves playing and watching sports
* Part of University of Waterloo Dragon Boat Club