# Garrett Everding

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**SKILL**
**SUMMARY**

Strong problem solving skills
Comfortable in a constantly evolving environment
Experience with iterative design process
Proficient in technical writing
Work well in a group environment and with minimal supervision

**TECHNICAL**
**PROFICIENCY**

*Languages:* C, C#, Coffeescript, Scala, Java, Python, PHP
*Platforms:* Linux (Server/Workstation), OSX, Windows
*Software:* Vim, zsh, Git, MatLab, LATEX
*Technologies:* MongoDB, Node.js, Redis, AngularJS, Backbone.js

**EDUCATION**

*Candidate for Bachelor of Applied Science,* Honours (Coop) Computer Engineering
University of Waterloo, Waterloo, Ontario, Sept. 2010 - Present

**EXPERIENCE**

*Software Designer*                                    Sept. 2012 - Dec. 2012
Monstercat Media, Waterloo, ON.
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*Software Designer*                                    Jan. 2012 - April 2012
International Datacasting, Ottawa, ON.
- Worked closely with the core software developers to implement new software features and fix bugs
- Developed for the head-end system, which transmits content files to receivers via satellite and terrestrial links
- Implemented new webservice calls for the head-end system to remotely manage customer satellite receivers
- Enhanced and fixed bugs in receiver firmware

*Junior Software Developer*                            May 2011 - Aug. 2011
N-Able Technologies, Ottawa, ON.
- Improved the performance of code by using a variety of safe Multi-threading techniques
- Implemented an cross-platform framework for use on Windows, Linux and OS X Systems
- Created System Tray to provide basic control over N-Able Agent Software
- Used batch files to automate tasks

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**RELEVANT ASSIGNMENTS**

*Operating Systems Lab*                                                                   May 2012 - Present
- Working in pairs to design and developed Unix system-level programs
- Implemented producer/consumer pattern using multi-process and multithreading techniques
- Creating a custom dynamic memory allocation/deallocation API for the RTX Kernel
- Designed code to run in standard and embedded Unix environments

*Data Structures & Algorithms*                                                        Sept. 2011 - Dec. 2011
- Projects dealt with Linked Lists, Stacks, Queues/Deques, Hashtables, Trees, Graphs
- Tested code thoroughly to adhere to strict performance and memory requirements

*Digital Computers Lab*                                                                Sept. 2011 - Dec. 2011
- Creating calculator in assembly for the Motorola 68k/Coldfire processor
- Calculator takes input from 2 I/O devices (Keyboard & Keypad)
- Preforms addition, subtraction, multiplication and combinations of operations

**RELEVANT COURSES**

Compilers, Operating Systems, Embedded Microprocessor Systems

**PROFESSIONAL DEVELOPMENT**

*Summer Career Opportunity, Recreation and Education*                                July 2010
- S.C.O.R.E Program ran by the Canadian National Institute for the Blind
- Focused on personal development, team building, leadership and career skills and civic responsibility.
- Worked as part of a team to build strengths, actively practicing new skills, achieving goals with others

**COMMUNITY SERVICE**

*Assistant Coach*                                                                      Nov. 2008 - Present
Arnprior Amateur Wrestling Club, Arnprior, ON
- Planned and ran summer clinics for children (aged 4-12) to teach them the basics of Olympic freestyle wrestling
- Assisted head coach at junior and senior team practices and tournaments

**EXTRA-CURRICULAR ACTIVITIES**

*Mini Sumo Challenge*                                                                  Sept 2010 - Dec 2010
University of Waterloo Robotics Team, Waterloo, ON
- Worked in a group to design and construct a Mini Sumo robot
- Soldered components to circuit board and constructed internal electronics and chassis

**GENERAL INTEREST**

Programming, Reading, Olympic freestyle wrestling