

## Garrett Everding

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Waterloo, ON.  
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github.com/geverding  
(226) 868-5820

### SKILL SUMMARY

Strong problem solving and analytical skills  
Comfortable in a constantly evolving and fast-paced 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++, C#, Javascript, Scala, Java, VHDL, Python  
*Platforms:* Linux, OSX, Windows  
*Software:* Vim, Git, MatLab,  $\text{\LaTeX}$   
*Technologies:* Node.js, MongoDB, Redis, WebSockets, AngularJS, Backbone.js

### EDUCATION

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

### EXPERIENCE

*Software Developer* Sept. 2012 - Dec. 2012  
Monstercat Media, Waterloo, ON.

- Built real-time, interactive promotional web applications for album releases
- Created online face for newly launched sister company (EDM Spotlight)
- Implemented fluid and intuitive controls for record label management system
- Maintained and setup production and development servers for performance driven applications

*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 OSX systems
- Created System Tray to provide basic control over N-Able Agent Software
- Used batch files to automate tasks

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### RELEVANT PROJECTS

#### *AngularJS Seed Project*

Opinionated seed project for developing rich web applications

- Structured project to simplify integration with other client MVC frameworks
- Implemented concurrent build system to improve efficiency of development cycle
- Designed to be database agnostic

#### *Operating Systems Lab*

- 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*

- Created Linked Lists, Stacks, Queues, Deques, Hashtables, Trees, Graphs
- Implemented projects using strict performance and memory requirements

### 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 - May 2010

Arnprior Amateur Wrestling Club, Arnprior, ON

- Planned and ran 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