Garrett Everding
3B Computer Engineering

251 Lester St.
Waterloo, ON.
gseverdi@uwaterloo.ca
github.com/geverding
(226) 868-5820

SKILL SUMMARY

Strong problem solving and analytical skills
Comfortable in a constantly evolving and fast-paced environment
Experienced with Agile development
Work well in a group environment and with minimal supervision
Proficient in technical writing

TECHNICAL PROFICIENCY

Languages: C, C#, Javascript, Java, Python, VHDL
Platforms: Linux, OSX, Windows
Software: Vim, Git, Matlab, LaTeX
Technologies: Node.js, MongoDB, Backbone.js, Redis, WebSockets

EDUCATION

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

EXPERIENCE

Software Developer   May 2013 - Aug. 2013
Monstercat, Waterloo, ON.
- Developed Javascript heavy web applications for managing a record label and a YouTube network
- Implemented intuitive controls to streamline data entry and management
- Played a key role in architectural decisions to improve functionality and maintainability
- Maintained critical production servers

Software Developer   Sept. 2012 - Dec. 2012
Monstercat, 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 a new 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

RELEVANT PROJECTS

WikiWalk (http://wikiwalk.herokuapp.com)
Visualization of The Wikipedia Game
- Generates a tree of interconnected Wikipedia articles given a user specified seed
- Built for the Sortable {data} Hackathon using Node.js, Bootstrap, and d3.js

United (http://united.monstercat.com)
Web Promotion for Monstercat's United Album
- Utilized Google's Map API to display users geographical locations around the globe
- Featured a real-time, scrolling news feed and constantly updating map

RELEVANT COURSES

Compilers, Operating Systems, Computer Networks

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

Co-Chair   May 2013 - Present
CNIB National Youth Council
- Working with CNIB and other groups to improve services of young adults across Canada

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 (FP/Haskell, Distributed Systems), Reading