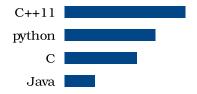
Stephen Kraemer

github.com/straemer (226) 606-4052 sbkraeme@uwaterloo.ca

SUMMARY OF QUALIFICATIONS

- Proficient in programming in a multi-threaded environment
- Familiar with protocols throughout the network stack
- Attentive to detail in both writing software and in integrating with existing code
- Experience working in performance sensitive code

Programming Languages and Tools



- Operating Systems: Linux (day-to-day Ubuntu and Arch Linux user)
- Version Control: git, svn, perforce
- Embedded Systems: Arduino, Raspberry Pi
- Other Tools: gdb, valgrind, make, LaTeX, emacs

WORK EXPERIENCE

Oracle, Endeca Server Team, Boston, MA Software Developer

Apr-Aug 2013

- Worked on performance and scaling team of an analytical database, coding in C++.
- \bullet Increased query performance by up to 10% by finding and fixing a bug in cache eviction algorithm.

Autodesk, Alias Team, Toronto, ON Software Developer

Aug-Dec 2012

- Developed software for a 3D modelling program.
- Completely redesigned the printing work-flow, integrating Qt into a product that did not previously use it.

Avvasi Inc, Packet Processing Team, Waterloo, ON Software Developer

Jan-Apr 2012

- Worked on product to analyze and improve video streaming over a large-scale network.
- Ported RTMP and RTSP parsers from an older product to a newer one using C++.

EDUCATION

Candidate for Bachelor of Applied Science

Sept 2009 - Apr 2014 Mechatronics Engineering University of Waterloo, ON

Fourth Year Design Project - www.casesensitive.ca

Sept 2013 - Apr 2014

- Designed a "smart" suitcase that tracks its position, detects mishandling, and weighs itself; reporting this information to a smartphone.
- Software lead in a team of four, coded in C++, Java, PHP, using an Arduino and creating an app on Android.

INTERESTS

- Heavy metal music
- Video Games: Minecraft, Pokemon, Zelda
- University of Waterloo Engineering Society member