Stephen Kraemer

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SUMMARY OF QUALIFICATIONS

- Expert C/C++ programmer, familiar with python, RobotC, Java, C#, and Matlab.
- Embedded systems: Arduino, Lego Mindstorms, Raspberry Pi.
- Proficient GNU/Linux User.
- Experience using standard office software as well as LaTeX.

WORK EXPERIENCE

Oracle, Endeca Server Team, *Boston, MA* — Apr-Aug 2013
Software Developer

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

Autodesk, Alias Team, *Toronto, ON* — Aug-Dec 2012
Software Developer

- Completely redesigned the printing workflow, integrating Qt into a product that did not previously use it.

Avvasi Inc, Packet Processing Team, *Waterloo, ON* — Jan-Apr 2012
Software Developer

- Ported RTMP and RTSP parsers from an older product to a newer one using C++.

Netkeepers *Markham, ON* — May-Aug 2011
Support Technician

- Assisted customers remotely to troubleshoot computer-related issues.

University of Waterloo *Waterloo, ON* — Jan-Apr, Sept-Dec 2010
Teaching Assistant and Lab Developer (GENE 121)

- Helped create labs using LEGO NXT and Arduino robots newly added to the course.
- Ran extra-help sessions before final exams; created a practice final for students.

EDUCATION

Candidate for Bachelor of Applied Science — 2009 - 2014 (Expected)
Mechatronics Engineering — University of Waterloo, ON

Fourth Year Design Project - www.casesensitive.ca — Sept 2013 - Apr 2014

- Designing 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.
- Coding in C++ and Java, using an Arduino and creating an app on Android.

INTERESTS

- Member of University of Waterloo Engineering Society
  - Volunteered at resume critiques for first year students.
  - Volunteered as an orientation week leader.