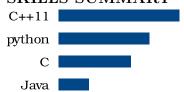# Stephen Kraemer

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

SKILLS SUMMARY

C++11
python
C
Java

- Expert GNU/Linux user
- Skilled in multi-threaded programming
- Version Control: git, svn, perforce

WORK EXPERIENCE

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

- Worked on performance and scaling team for an analytical database.
- Personal projects were cache improvements, and job cancellation.
- Found and fixed a bug in cache eviction algorithm; increasing query performance by up to 10%.
- Worked in performance-sensitive code, such as the main thread scheduler.

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

- Completely redesigned the printing workflow.
- Fixed bugs and added features in newly added modelling tools.

Design Engineer   Jan-Apr 2012
Avvasi Inc, Packet Processing Team, Waterloo, ON

- Worked on porting Internet Protocol parsers from an older product to a newer one.
- Gained knowledge of RTSP, RTMP, and HTTP protocols.

EDUCATION

Candidate for Bachelor of Applied Science   University of Waterloo, ON
Mechatronics Engineering   Sept 2009 - Apr 2014

FOURTH YEAR DESIGN PROJECT

- Designing a "smart" suitcase that tracks itself, detects mishandling, and weighs itself; interfacing with a smartphone.
- Software lead for the team.
- Coding in C++ and Java, using an Arduino and creating an app on Android.