

SKILLS SUMMARY

- Proficient C++(11) programmer. Familiar with C, python, and Java.
- Expert GNU/Linux user through home, work, and school use.
- Experience using various C++ toolkits, including STL, boost, and Qt.
- Skilled in multi-threaded programming.
- Familiar with git, svn, and perforce version control systems.

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.
- Coded in C++11, using gdb, valgrind, svn, and git.
- 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.
- Coded in C++, using the Qt toolkit, and perforce.
- 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.
- Coded in C++11, using gdb and svn.
- Gained knowledge of RTSP, RTMP, and HTTP protocols.

EDUCATION

Candidate for Bachelor of Applied Science
Mechatronics Engineering

University of Waterloo, ON
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.