

# Stephen Kraemer

[github.com/straemer](https://github.com/straemer)  
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## SKILLS SUMMARY

C++11	<div></div>	• Expert GNU/Linux user
python	<div></div>	• Skilled in multi-threaded programming
C	<div></div>	• Experience working in protocols throughout the network stack
Java	<div></div>	• Version Control: git, svn, perforce

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## WORK EXPERIENCE

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

- Worked on performance and scaling team of an analytical database, 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*

- 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* Jan-Apr 2012  
*Software Developer*

- 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++.
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## EDUCATION

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

**Fourth Year Design Project** - [www.casesensitive.ca](http://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.
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## INTERESTS

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