

# RONUK RAVAL

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## Skills

- Proficient with C, C++, Python, PHP, Shell scripting, Haskell, Javascript, Scheme, and Java, as well as several documentation and testing suites respective to those languages.
- Familiar with general database concepts and the SQL-92 standard, as well as the MySQL and Oracle implementations.
- Skilled with Linux, Bash and zsh shells, and the UNIX toolchain.
- Working knowledge of several build systems and development environments, including handwritten makefiles, the autotools suite, as well as Eclipse, Qt Creator, KDevelop, and Eric4.
- Well versed in the use of several revision control systems from the command line, namely Subversion, Git, Bazaar, and Darcs, with passing familiarity with RCS and CVS.
- Knowledgeable about computer hardware and logic level design and abstraction.

## Work Experience

- **Facebook: Software Engineer Intern, Insights Team** *Palo Alto, CA (April – August, 2011)*  
Responsible for writing a completely new feature for application statistics, from Hive based MapReduce jobs to an extremely dynamic Javascript user interface using HTML5 canvas and Google's ExCanvas.
- **Bloomberg LP: Financial Software Developer Intern** *New York, NY (September – December, 2010)*  
Developed a user interface and backend to support arbitrarily complex constraints for an internal search engine.

## Open Source Activities

Links to respective source repositories can be found at the bottom of this page.

- Currently implementing an optimizing compiler in Haskell [wlcc].
- Partially completed a note storing system in Python [jockey].
- Contributed a command line interface to the wicd network manager for Linux [wicd].
- Wrote a Python interface to the XTest extension of the X server [xtest].

## Education

- **University of Waterloo** *Waterloo, ON (September 2009 – present)*  
Candidate for Bachelor of Computer Science  
Honours Computer Science with Digital Hardware Option, Co-op Program

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[wlcc]: <https://github.com/rraval/wlcc>

[jockey]: <http://gitorious.org/jockey>

[wicd]: <http://launchpad.net/wicd>

[xtest]: <http://code.launchpad.net/~ronuk-raval/+junk/xtest>