

PAUL BUTLER

CONTACT

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WORK

February 2010 – (August 2010) Redwood Strategic, Toronto

*Analytics
Developer*

Redwood Strategic runs marketing campaigns targeting campuses in Canada. I worked with another developer to build and launch a video upload contest for a campaign for Tourism Australia. My contributions included the data model, Facebook Connect integration, and analytics.

January 2009 – August 2009 Kontagent, San Francisco

*Software
Development
Intern*

Kontagent builds an analytics dashboard for applications built on social platforms such as Facebook. I built tools in Python with Hadoop Streaming to analyze the social graph of user interactions. I also created a Pythonic DSL for specifying charts and data warehouse queries, significantly reducing the manual effort of creating new dashboard pages.

May 2008 – August 2008 Polar Mobile, Toronto

*Software
Development
Intern*

Polar Mobile makes software used by publishers like Time Warner and BusinessWeek to deliver content to smartphones. I built a system of tools for collecting and analyzing analytics data. I worked primarily in Python and MySQL.

EDUCATION

2007 – (2012) University of Waterloo

Candidate for **Bachelor of Computer Science**.
Major average: **84%**

OPEN SOURCE

December 2008 – Present

Sage

Sage is an open-source mathematics application in the same vein as Mathematica and Maple. My contributions include an algorithm for integrating piecewise-defined functions.

AWARDS

Fall 2009

*VeloCity Residence
Award*

Awarded a \$1 000 scholarship from Pivotry Consulting.

Fall 2008

Killer App Contest

Won \$1 000 and first place (with team of four) after developing a demo of an indoor navigation system for the Android platform. Awarded by Xtreme Labs.

SKILLS

Programming

LANGUAGES

Python, Haskell, R, C, C++, Scheme, Smalltalk, Java

DATABASES

MySQL, SQLite, mongoDB

SCM

Git, Subversion, Mercurial

MISC

Hadoop, Linux/Unix environment, vim

CLOUD

Amazon EC2 and Elastic MapReduce, Google AppEngine