

John Chee

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Technical Skills

Likes: haskell http linux git bigdata
Dislikes: ms-access

Experience

Jan 2013 → Current **Software Engineer** – Twitter

May 2010 → Jan 2013 **Software Engineer** – Mylife.com
ocaml, haskell, python, hadoop, lucene, solr, hbase, cassandra

As a Software Engineer, I accepted the task of development, automation and deployment of our primary data product to our front end team. This involved developing expertise with Hadoop, Lucene, and an internal MapReduce flow control tool. I developed a scalable Hadoop-based geocoding solution for our document corpus. I advocated for the use of open standards and modern source control. As MyLife's needs became apparent, I developed proposals for projects based on those business requirements. These projects involved working closely with my product oriented colleagues to deliver timely and satisfactory solutions.

Nov 2006 → Aug 2009 **Research Assistant** – Portland State University
google-maps, php, python, haskell, sql, vim

As graduate research assistant, I classified and discovered data gaps, automated daily discovery of erroneous readings, and began work on a time dependent view of overall transit system health. I primarily used PHP, SQL, and Haskell to discover and present the information.

As an undergraduate research assistant on the Portland Oregon Regional Transportation Archive Listing (PORTAL) project, I created a web application displaying archived public transit system data on a Google map. I also helped process, aggregate, and query traffic data.

Nov 2006 → Aug 2009 **Research Assistant** – Portland State University
java, sphinx, git, ms-access, perl

As a research assistant on Project 10-9, an Open Voice Bridge, I worked on a team to integrate CMUSphinx with an existing MS Access query tool. 10-9 is primarily developed using Java and Subversion.

Apr 2006 → Dec 2006 **CS Tutor** – Portland State University
c++, sml, c, svn, make, gcc, vim, eclipse

As a computer science tutor, I helped undergraduate students with primary courses including: compilers, data structures, and computational structures. Most questions were about representing data structures in C++ and functional programming in Standard ML.

Education

2008 → 2009 **Master's of Science** – Portland State University

2005 → 2008 **Bachelor's of Science** – Portland State University

Projects & Interests

Jul 2011 → Current **ocaml-hbase** – <https://github.com/cheecheeo/ocaml-hbase>
ocaml

Hbase bindings for ocaml

Jul 2011 → Current **ocaml-cassandra** – <https://github.com/cheecheeo/ocaml-cassandra>
ocaml

OCaml client library for the Apache Cassandra highly scalable distributed database.

May 2011 → Current **notteenine** – <https://github.com/cheecheeo/notteenine>
haskell

May 2011 → Current **dupcommand** – <https://github.com/cheecheeo/dupcommand>
haskell

duplicate commands by running them many times in many threads

Apr 2011 → Current **JSON-shootout** – <https://github.com/cheecheeo/JSON-shootout>
ocaml

A simple JSON benchmark

Mar 2011 → Current **gitconfig** – <https://github.com/cheecheeo/gitconfig>
shell

Mar 2011 → Current **Array-Intersection-Benchmark** – <https://github.com/cheecheeo/Array-Intersection-Benchmark>
haskell

Array Intersection Benchmark

Feb 2011 → Current **vimrc** – <https://github.com/cheecheeo/vimrc>

Feb 2011 → Current **bashrc** – <https://github.com/cheecheeo/bashrc>

Jan 2011 → Current **jsondiff** – <https://github.com/cheecheeo/jsondiff>
ocaml

JSON sensitive diffing

Tools

First Computer: Generic 386 PC
Favorite Editor: vim