

# John Alfred Nathanael Chee

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San Francisco, California

## INTERESTS

Understanding abstractions, applying them in practice. Writing simple code. Writing robust code.

## EXPERIENCE

**Twitter** (San Francisco, California)

Software Engineer, January 2013 – Present

**MyLife** (Mountain View, California)

Software Engineer, May 2010 – January 2013

- ▶ As a Software Engineer, I accepted the task of development, automation and deployment of our search service to our front end team. This involved developing expertise with Hadoop, Lucene and an internal MapReduce job control tool. I developed a scalable Hadoop-based geocoding solution for our document corpus. I advocated for the use of open standards (HTTP, JSON and Thrift) and modern source control (Git).
- ▶ As MyLife's current and future needs became apparent, I developed a low latency, highly available and scalable search solution based on Cassandra and Solr. MyLife's new search platform removed the need for deployment of Lucene indexes, which effectively eliminated delivery of our search service. The search service was always up to date within the past 10 minutes. The new search service was an HTTP based service-oriented-architecture written primarily in Python using capistrano for deployment and [Supervisor](#) for administration.

**Portland State University, Department of Computer Science** (Portland, Oregon)

Research Assistant: [Project 10-9](#), January 2007 – August 2009

- ▶ 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.

**Portland State University, Department of Civil Engineering** (Portland, Oregon)

Graduate Research Assistant: [ITS Lab](#), January 2008 – August 2009

- ▶ As a 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.

## EDUCATION

**Portland State University**, Portland, Oregon

M.S. in Computer Science; Advisor: [Bart Massey](#), GPA: 3.78, June 2009

**Portland State University**, Portland, Oregon

B.S. in Computer Science; Minor: Mathematics, *Cum Laude*, March 2008

## SERVICE

Treasurer, ACM Student Chapter, Portland State University, April 2006 – March 2008

## LANGUAGES

Haskell, bash, Python

## TOOLS

vim, git, bash, linux

Last updated: August 12, 2014

<http://web.cecs.pdx.edu/~chee/cv.pdf>