

John Alfred Nathanael Chee

chee@cs.pdx.edu | 971 222 7233

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

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

- ▶ Deployments
- ▶ Build systems
- ▶ Timeseries aggregations

MyLife (Mountain View, California)

Software Engineer, May 2010 – January 2013

- ▶ Improved publication turnaround from monthly to 10 minutes of our primary data product
- ▶ Implemented a JSON-sensitive diff to immensely simplify data quality checking
- ▶ Used QuickCheck as a test case generator to characterize system performance
- ▶ Developed a scalable geocoding system using MapReduce

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

Research Assistant: [ITS Lab](#), November 2006 – August 2009

- ▶ Developed new features for [PORTAL](#) using AJAX, PostgreSQL, PHP, and Python
- ▶ Managed several database tables with millions of records
- ▶ Co-authored and presented Transit Performance Measurement and Arterial Travel Time Estimation Using Archived AVL Data
- ▶ Developed a Google Maps-application that intuitively displays archived TriMet data

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

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

- ▶ Developed [Project 10-9, an Open Voice Bridge](#), using Java, Subversion and [CMUSphinx](#)
- ▶ Demonstrated Project 10-9 to focus groups and integrated feedback into future versions.

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

SKILLS

Languages – Haskell, bash, Python

Tools – vim, git, linux

Last updated: August 13, 2014

<https://github.com/cheecheeo/resume/blob/master/resume.pdf?raw=true>