

# John Alfred Nathanael Chee

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## INTERESTS

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

## EXPERIENCE

### Recent Pursuits (Redwood City, California)

Pre-medical student, August 2017 – August 2023

- ▶ Completed Pre-medical classes at Cañada college and UC Berkeley: Organismal, Cell, & Molecular Biology; and General, Organic, & Biological chemistry from Fall 2017 – Spring 2019
- ▶ Provided Optimal Health coaching to male patients at RealOptions Obria Medical Clinics by encouraging and advising STI and crisis pregnancy patients from February 2019 – September 2021
- ▶ Applied and interviewed for MD, Post-baccalaureate, and Master's programs at medical schools throughout the United States.

### Snowflake (San Mateo, California)

Software Engineer, April 2016 – August 2017

- ▶ Working with the Automation & Tools team at Snowflake I initiated adoption of reproducible, versionable, code reviewable Jenkins job descriptions with the jobs dsl plugin.
- ▶ Conducted the automated build and test of the main Snowflake products: database, user interface, and database drivers for both Windows and Unix-like operating systems.
- ▶ Secured & isolated Jenkins using its off the shelf LDAP security integration and an in-house Vault-inspired authentication tool.
- ▶ Managed & advised OSS teams transitioning from Subversion & Jenkins to Github & Travis CI.

### Twitter (San Francisco, California)

Software Engineer, January 2013 – March 2016

- ▶ Contributed to Pants, Twitter's monolithic repository build system.
- ▶ Contributed to TSAR, an Apache Spark-like, Time Series AggregatoR, and its dependent probabilistic data structures project, Algebird during my time with Platform Intelligence.
- ▶ Co-architected a data warehouse to store per service CPU and RAM usage, and user and service identification enabling chargeback. I also built its elegantly simple ETL system.

### 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.
- ▶ Combined QuickCheck and siege to characterize whole system performance.

## EDUCATION

Portland State University, Portland, Oregon

M.S. in Computer Science; Advisor: Bart Massey, GPA: 3.78, June 2009

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

## SKILLS

Languages – Haskell, bash, SQL, Python

Tools – vim, git, linux

Last updated: November 11, 2023

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