

# William Frederick Tracy

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## Skills

- Windows
- OS X
- Android
- Linux/Unix
- C/C++
- Java
- Python/Django
- Scheme/Lisp/Haskell
- HTML/XHTML/CSS
- JavaScript

## Experience

**Owner, Tech Tracy (2016-now)** Provided on-site technical support to private individuals and small businesses in and around Sonoma County.

**Site Reliability Engineer, TalentBurst (2015)** Worked onsite monitoring Flickr for site issues and performed corrective action. Also built automation for managing runbooks.

**Software Engineer II, Raytheon AST (2014-2015)** Participated in maintaining a large C++/Qt application with a client-server architecture in a Linux environment. I refactored and optimized several sections of the codebase.

**Application Engineer III, Akorbi (2013)** Engineering contractor on-site at Google headquarters. I maintained an internal Python/Django application, and developed a variety of tools for generating automated reports for management directly from production data, in a Linux environment.

**Software Engineer, PayPal (2012)** I provided support to operations when they encountered bugs in the Risk codebase. I performed root-cause analysis on those bugs and provided my results to the development teams to support development of fixes. I also provided live support to operations while they pushed new software revisions. Additionally, I maintained a Linux server cluster that ran an internal-facing dashboard system, and wrote Python tools to support that maintenance.

**Software Engineer I, Cisco Systems (2009-2011)** I supported the senior developers on the NX-OS team, allowing them to offload some debugging tasks. I also provided bug fixes and maintained a database of upgrade compatibility between revisions. NX-OS is a Linux-based platform.

**Intern, Cisco Systems (2008)** Worked as a Software Development Intern. Developed a Linux-powered software test system for internal use at Cisco Systems. This consisted of a custom language interpreter written in TCL and Expect, and a web-based front end for running tests written in Java and JSPs.

**Intern, Alpha Infinity (2007–2008)** Did a brief internship and implemented a library of mathematical functions in Common Lisp for a “stealth” startup company.

**Lab Assistant, Santa Rosa Junior College (Winter 2003–2004)** Worked as assistant in Math lab. Helped JC students using computers and software including Maple, Word, Excel, Photoshop, and Macintosh OS X.

## Education

**California Polytechnic State University:** Graduated Spring 2009 with a Bachelor's of Science in Software Engineering and a GPA of 3.29.

**UC Berkeley:** Summer session of 2004, completed *Structure and Interpretation of Computer Programs using Lisp*.

**Santa Rosa Junior College:** Graduated with an A.S. degree in June 2006.

## Extracurricular Activities

**Silicon Valley Aquarium Society:** I served as president of SVAS for a year and a half. I managed the organization's bank account, verified receipts during fund-raising auctions, maintained the club's website and supervised the scheduling of upcoming speakers.

**Linux User Groups:** Served as vice president and presenter for the Cal Poly Linux User Group (CPLUG). Acted as panel speaker for the North Bay Linux User Group (NBLUG).