

## Education

- **University of California at Riverside** Riverside, CA  
B.S., Computer Science (GPA 3.65), 2005

## Work History

- **Cluster Systems Administrator** February 2006 - Current  
Google, Inc Mountain View, CA
  - maintained Google File System infrastructure
  - maintained compute queue infrastructure
  - 24/7 oncall rotation
  - automated large system deployment and configuration
  - implemented python automation framework
- **Systems Administrator** January 2003 - January 2006  
University of California Riverside, CA
  - configured, installed and maintained high performance research server
  - maintained Windows, Macintosh, Linux and IRIX workstations
  - supported and assisted faculty and researchers with applications and hardware
  - researched various clustering technologies for use in computational biology research
  - designed, implemented and maintained high performance Linux cluster
  - educated users through web accessible documentation and hands on workshops
  - designed, implemented and maintained high availability web server and database farm
- **Student Programmer** January 2003 - January 2006  
University of California Riverside, CA
  - designed and authored facility web-page
  - implemented various general utilities to aid in bioinformatics research
  - designed, implemented and documented an integrated database and data mining tool to aid in the analysis protein families
- **Accomplishments**
  - **Publication:** Josh Lauricha, Thomas Girke, Hua Tran, Kenneth Keegstra, and Natasha Raikhel. 2004. *The Cell Wall Navigator Database. A Systems-Based Approach to Organism-Unrestricted Mining of Protein Families Involved in Cell Wall Metabolism.* Plant Physiol. 136: 3003-3008.
  - **Award:** The 2005 Neil Campbell CEPCEB Outstanding Undergraduate Student Award.
  - **Membership:** I am a contributor to the open source BioPerl project, having added several new modules as well as bug-fixes and mailing list based assistance.

## Skills

**Languages:** C/C++ (8 years), Perl (6 years), Python (6 year), SQL (6 years), Bourne (BASH) shell scripting

**Markup Languages:** HTML, XML, CSS, XHTML, L<sup>A</sup>T<sub>E</sub>X, Docbook

**Operating Systems:** Linux: Debian, RedHat, Caldera, SUSE, Gentoo, etc; MacOS; Windows 95/98/NT/2000/XP; IRIX; BeOS

**Major Software:** Apache HTTP Server, MySQL, PostgreSQL, Kerberos, OpenLDAP, Exim Mail Transfer Agent, Courier IMAP Server, PowerDNS server

**Miscellaneous:** systems administration in various operating systems, in depth networking including TCP/IP, strong verbal and written communication skills, excellent troubleshooting and debugging skills

---

References Available Upon Request