

EDUCATION

Berkeley, CA	University of California, Berkeley	December 2013
<ul style="list-style-type: none"> ▪ B.A. in Applied Mathematics. ▪ Concentration in Economics. ▪ Relevant Coursework: The Structure and Interpretation of Computer Programs (Python), Data Structures and Advanced Programming (Java), Numerical Analysis (Matlab), Optimization Theory and Practice (Matlab), Probability Theory. 		

Fremont, CA	Ohlone College	May 2011
<ul style="list-style-type: none"> ▪ A.S. in Computer Science. ▪ A.S. in Natural Science. ▪ Relevant Coursework: Assembly Language Programming, Data Structures with C++, Object Oriented Programming with C++. 		

EMPLOYMENT

Computer Systems Engineer	Lawrence Berkeley National Laboratory	December 2013 – Current
<ul style="list-style-type: none"> ▪ Create and maintain Google web applications (in JavaScript) to interface with lab services. ▪ Create scripts and tools for automation and analysis. ▪ Create relevant documentation, and add to the Wiki. ▪ Lead training sessions for Google Apps and create training material. ▪ Supervise and mentor interns. 		

Student Intern	Lawrence Berkeley National Laboratory	August 2010 – December 2013
<ul style="list-style-type: none"> ▪ Install/configure hardware and software for data analysis. ▪ Network troubleshooting. ▪ Maintain and configure Mac/PC/Linux machines for scientific computing. ▪ Install and configure server hardware and software (Windows/CentOS/Ubuntu/Scientific Linux) as well as RAID hardware/software. 		

TECHNICAL EXPERIENCE

Projects:

- **Sumpha Event Randomizer App** (Personal project, Python/Jinja2, Bootstrap HTML/CSS/JS, June 2014). A webapp developed at Silicon Valley Angel Hack hackathon. The user enters search tags, and random events are selected and displayed related to the search. URL: <http://get-events.appspot.com/>
- **Twitter Data-Mining NFL Sentiments App** (Personal project, Python, May 2014). A Twitter data-mining app that searches through tweets for NFL player names and determines how favorable that player is. Uses sentiment analysis to map words to integer values, and outputs statistics of the values.
- **Xythos Management Tool** (LBNL project, Java, May 2014). A tool to be used by the I.T. helpdesk to manage accounts on the document storage service, Webspace Xythos, which is based off an Apache Tomcat server. Created a tool and an API for user management and usage statistics.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, Matlab, C++, HTML/CSS, Bash Scripting, Lisp, Haskell, SQL, NoSQL
- **Tools/Frameworks:** Eclipse, Unix, Git, Apache Tomcat, LDAP, Jinja2, jQuery, Twitter Bootstrap

Github: <https://github.com/ajponte>Personal Website: <http://www.ocf.berkeley.edu/~aponte/>