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Alan J. Ponte

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EDUCATION

Berkeley, CA **University of California, Berkeley** **December 2013**

- 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**

- 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**

- Create and maintain web applications 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**

- 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. The event data is gathered from various RESTful APIs, and rendered using the Jinja2 framework. The app is hosted on Google App Engine.
  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.

- **ABPDU Sample Submissions** (LBNL project, M.E.A.N stack, August 2014). A full stack application to assist in the submission of biological samples for the Advanced Biofuels Processing Demonstration Unit. Worked with two interns to build the app using MongoDB, Express, AngularJS, and NodeJS.

TECHNICAL SKILLS

- **Languages**: Java, Python, Matlab, JavaScript, HTML/CSS, C++, Bash Scripting, Lisp.
- **Tools/Frameworks**: Unix, Git, Jinja2, NodeJS, Angular, Twitter Bootstrap, MongoDB, LDAP, MySQL, Apache Tomcat, Eclipse.

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