Richmond, CA
(510)410-6985
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Po Tong

powebdev.github.io
github.com/powebdev
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Summary:

Web development specialist with both back-end and front-end skills. Motivated to develop websites with exceptional user support and user experience.

Technical Skills

Language: Python, JavaScript, HTML5, CSS3, Java
Frameworks/Libraries: Django, Flask, jQuery, Knockout.js(MVVM), Bootstrap, Jasmine, Polymer
Databases: SQLite, PostgreSQL, Google Cloud Datastore
Other: Google App Engine, Linux, Apache, Git, GIMP, Inkscape

Project Experience

Conference Organization App - *powebdev.github.io/p4_conference*   December 2015

- Developed an API server hosted on Google App Engine.
- Utilized Google's Cloud Datastore for data storage.
- Users can organize and sign up for conferences.

Catalog Website - *powebdev.github.io/catalog_project*   December 2015

- Developed a RESTful web app using the Python framework Flask.
- Utilized SQLite for data storage.
- Implemented third-party OAuth Authentication.
- Users can perform CRUD operations on entries belonging to them.

Website Optimization - *powebdev.github.io/webperf*   January 2016

- Optimized critical rendering path of existing website with guidance from PageSpeed Insights.
- Eliminated inefficiencies in website JavaScript to achieve frame rate of 60 fps while scrolling.

Arcade Game Clone - *powebdev.github.io/js_frogger*   January 2016

- Clone of the classic game, Frogger. Game assets and engine provided by Udacity.
- Used JavaScript's pseudo-classical OOP pattern to implement entity classes in game.

Work Experience

Chevron – Lab Technologist   Richmond, CA | July 2014-Dec 2015

- Designed and implemented data acquisition software using Python, C++, and Qt framework.
- Collaborated with principal scientists to devise proposal for new projects.

Lab Support – Lab Technician   Richmond, CA | Nov 2013-July 2014

- Performed experiments to analyze rock and fluid properties.
- Maintained laboratory equipment including test cells, plumbing system, and computer equipment.

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UC Berkeley – Lab Assistant   Berkeley, CA | Aug 2012-May 2013

- Maintained physics lecture demonstration website.
- Organized instructional physics lab.

Berkeley National Lab – Undergrad Research Assistant   Berkeley, CA | Sept 2011-May 2012

- Investigated the properties of superconducting materials with high precision and accuracy on nano scale.
- Created and maintained LabView programs to facilitate experiment.
- Utilized analytical software to interpret and present experiment results.

California Army National Guard – Aircraft Mechanic   Fresno, CA | Aug 2008-Aug 2011

- Identified and fixed rotary wing aircraft malfunctions.
- Maintained Material Safety Data Sheets on chemicals used in the workplace.

US Army – Aircraft Mechanic   Ft. Lewis, WA | Aug 2002-Aug 2008

- Performed maintenance on rotary wing aircraft.
- Created and maintained aircraft parts inventory system using MS Access and SQL.
- Served as shop supervisor and supervised a team of five.

Certificate

Udacity – Full Stack Web Developer Nanodegree   December 2015

Education

University of California, Berkeley – Physics and Astrophysics, B.A.   December 2012