

Summary:

Web development specialist motivated to develop websites with exceptional user experience. The pace at which the field evolves fascinates me. I look forward to learn new things on the job everyday.

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, Gulp

Project Experience

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

- Developed an API server hosted on Google App Engine allowing users to organize and sign up for conference.
- Technologies used: Python, Google App Engine, Google Cloud Datastore.

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

- Developed a RESTful web app using the Python framework Flask allowing users to perform CRUD operations on entries belonging to them.
- Technologies used: Python, Flask, SQLite, HTML5, CSS3, JavaScript, Bootstrap.

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 increase frame rate from 30 to 60 fps while scrolling.
- Technologies used: HTML5, CSS3, JavaScript, Gulp.

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

- Used JavaScript's pseudo-classical OOP pattern to implement entity classes on clone of classic game, Frogger.
- Technologies used: JavaScript, HTML5, CSS3, jQuery.

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 lab equipment including test cells, plumbing system, and computer equipment.

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

- Maintained physics lecture demonstration website and organized instructional physics lab.

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

- Created and maintained LabView programs to facilitate experiment.
- Utilized analytical software to interpret and present experiment results.

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.

Education and Certificate

Udacity – Full Stack Web Developer Nanodegree Certificate December 2015

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