**David Vasquez**

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***TECHNICAL EXPERIENCE***

* **Languages:** Java, C, PHP, JavaScript, Python
* **Other:** JQuery, HTML5, CSS3, WAMP and LAMP stack, Wordpress, Drupal Node.js, Laravel framework
* **Databases:** MySQL, SQLite and knowledge of design and analysis of RDBMS
* **Operating Systems:** Windows, Mac OS X, Linux, Android
* **Development Tools:** Visual Studio, Eclipse, Git, Github, Bitbucket, XCode

***WORK EXPERIENCE***

**Research Assistant and Instructor**

Oregon State University Corvallis, Oregon 9/14 to Present

* Worked as a research assistant for data and statistical analysis utilizing Python, R and Stata
* OSU Computer Science Department senior capstone project sponsor

**Information Technology Coordinator**

Oregon State University- Career Services/Student Life Corvallis, Oregon 6/13 to 9/14

* Designed, developed and tested Career Services Dashboard an asynchronous client/server application with a Relation Database used to track future departmental records. Developed using PHP, MySQL, AJAX, JavaScript, JQuery, CSS and HTML
* Led technical aspects of and was responsible for all data during transition to new career database containing over 6,000 employers and 27,000 students
* Built algorithms in Java to analyze 5 years of departmental data to create a report for Department Staff and Dean of Student Life

**Database Management**

Oregon State University- Career Services/Student Life Corvallis, Oregon 1/11 to 6/13

*Graduate Assistant*

* Created, tested and implemented a system for OSU employers and students which sends out specific job postings to students based on their major. The system is in use by over 30,000 students and 6,000 employers
* Managed and used Symplicity Database with over 6,000 employers and 60,000 students and alumni, this includes data analysis of events to determine program and event efficiency
* Used Banner system to maintain records

**Web Software Design**

Oregon State UniversityCorvallis, Oregon 6/11 to 1/12

*Venture Intern*

* Helped create business research protocols for future interns working with the Office for Commercialization and Corporate Development
* Developed an internal website for interns to use while conducting market analysis

**Software Design**

Oregon State UniversityCorvallis, Oregon10/07 to 6/10

*Research Assistant*

* Designed, tested and built digital radiation and detection software as a Research Assistant in the Department of Nuclear Engineering and Radiation Health Physics. Was lead on all aspects of algorithm construction and software development cycle from start to completion
* Funded by the Department of Nuclear Engineering/Radiation Health Physics in conjunction with the Nuclear Regulatory Commission. Grant winner of $8,000 in additional funding for software development

**Legacy Health System**  Portland, Oregon 06/06 to 09/06

**Business Intern**

* Intern at Legacy Health System’s Supply Chain; worked to create a marketing plan to attract and retain minority owned vendors.

***PROGRAMMING PROJECTS AND STARTUP WORK***

**ShareShare Cloud System**

* Summary: Building a file sharing cloud system that simplifies file sharing with friends. The system is very object oriented and will have a complete file management system
* Technology: PureCSS framework, JavaScript, AJAX, JQuery, multiple plugins, PHP, MySQL

**Web Parser and Database**

* Summary: Shopping comparison parsed from the web with over 10,000 items and images
* Technology: Built in an object oriented style with Java and Python, MySQL Relational Database

**Chat System**

* Summary: Built two chat systems for learning and use in software projects
* Technology: First was built with MySQL, PHP AJAX and JQuery, second was built with Node.js, socket.io and MongoDB

**Intelligence**

* Summary: Intelligence is a system to determine probability of randomly constructing the most simple C algorithm running at 1 iteration per second
* Technology: Built with C, now building a python based web application

***EDUCATION***

**Masters of Science, Cum Laude Oregon State University**

Masters of Business Administration June 2013

**Masters of Science, Cum Laude Oregon State University**

Radiation Health Physics June 2010

**Bachelor of Science, Cum Laude Oregon State University**

Health Management and Policy June 2007

***RELEVANT UNIVERSITY COURSES***

|  |  |
| --- | --- |
| * Advanced Information Systems | * Web Design I (PHP, HTML, JS, CSS) |
| * Java Programming | * Web Design II (PHP, MySQL, JS, CSS) |
| * C Programming | * JavaScript |

***ACTIVITIES AND AWARDS***

**OSU Mobile App Club:** Corvallis, Oregon 2013-2014

* Member of OSU App Club which works to design native and non-native apps for mobile devices.

**Fellow Achievement Rewards for College Scientists** Corvallis, Oregon 2010

* Nominated by faculty and selected for ARCS Fellowship providing $6,000 a year for research in Medical Physics