**David Vasquez**

155 NW Kings Blvd Apt 647

Corvallis, OR 97330

(925) 818-1172

Vasquezd@onid.orst.edu

***TECHNICAL EXPERIENCE***

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

***WORK EXPERIENCE***

**Software Developer**

Oregon State University Corvallis, Oregon 1/16 to Present

* Software Developer involved with restructuring, debugging and updating server code; responsible for new code being 15% the size of old structure and 27% of original file size
* Responsible for backend work with SQL Server Management Studio and projects utilizing SQL Queries, HTML5, JavaScript and CSS3

**Research Assistant**

Oregon State University Corvallis, Oregon 9/14 to 1/16

* Worked as a research assistant for data and statistical analysis utilizing Java, 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

* Built algorithms in Java to analyze 5 years of departmental data to create a report for Department Staff and Dean of Student Life
* 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

**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

**Software Design**

Oregon State University **-** Nuclear Engineering and RHPCorvallis, Oregon10/07 to 6/10

*Research Assistant*

* Designed, tested and built digital radiation and detection software. 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.

***TEACHING EXPERIENCE***

**Teaching Assistant: Department of Nuclear Engineering and Radiation Health Physics**

Oregon State University10/07 to 5/10

* Teaching assistant for graduate and undergraduate NE/RHP courses

**Instructor: Radiation Biology and Radiation Production and Characteristics**

Linn Benton Community College 9/08 to 09/10

* Designed and instructed Radiation Biology and Radiation Production and Characteristics

***PROGRAMMING PROJECTS AND STARTUP WORK***

**ShareShare Cloud System**

* Summary: Building a group based social network. The system is very object oriented and will have a complete file management system a beta version is available upon request
* Technology: UIKit, JavaScript, AJAX, JQuery, multiple plugins, PHP, MySQL

**Divvy**

* Summary: Divvy is a social to do list built using tags to clarify and handle deadlines, people and tasks
* Technology: Front end relies heavily on JavaScript and JQuery for dynamic element creation

**Wishlist**

* Summary: A Social list to create and share lists of gift items you would like
* Technology: UIKit, JavaScript, AJAX, JQuery, multiple plugins, PHP, MySQL

***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***

|  |  |
| --- | --- |
| * Applied Econometrics (Grad Level) | * Statistics 511 (Grad Level) |
| * Methods of Data Analysis 512 (Grad Level) | * Foundations of Research (Grad Level) |
| * Java Programming | * Web Design I (PHP, HTML, JS, CSS) |
| * JavaScript | * Web Design II (PHP, MySQL, JS, CSS) |
| * C Programming | * Advanced Information Systems |

***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