**David Vasquez**

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***TECHNICAL EXPERIENCE***

* **Languages:** Java, JavaScript, Python, PHP, C
* **Development:** React, React Native, Redux, Jquery, Axios, JSON, REST architecture, Node.js, Express, WAMP stack, NPM, Composer, Google APIs, Google Map APIs
* **Amazon AWS:** Elastic Beanstalk, RDS, S3, Lambda
* **Databases:** MySQL, Microsoft SQL Server, knowledge of design and analysis of RDBMS, Mongo DB
* **Front End:** HTML5, CSS3, SASS, Bootstrap, UI Kit, Responsive Design
* **Development Tools:** Git, Github, Bitbucket, XCode, Visual Studio, Eclipse, Atom

***WORK EXPERIENCE***

**Software Developer**

Oregon State University Corvallis, Oregon 1/16 to Present

* Currently developing a single page application that is part of a larger site that pushes all changes to all active users and to customers (students and faculty). The view layer is handled with React
* Rebuilt the backend and frontend of internal website used by staff, the new site was 15% the size of original structure and 27% of original file size
* Responsible for multiple projects involving SQL Server Management Studio, SQL Queries, React, HTML5, JavaScript and CSS3

**OSU Computer Science Senior Capstone Project Sponsor (Evently)**

Oregon State University Corvallis, Oregon 9/2017 to Present

* Developing a mobile application that will allow students to find events and follow on campus groups
* The mobile app is being developed with React Native connecting to a REST API and users will authenticate with OAuth2
* The backend is being developed with Java and the Spring framework and will utilize JSON for data transfer and will be built on Amazon AWS S3 and RDS

**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
* Analyzed data with graphical, parametric and nonparametric methods for comparing samples; ANOVA; simple linear regression and multiple linear regression

**OSU Computer Science Senior Capstone Project Sponsor (Location Tagging Service)**

Oregon State University Corvallis, Oregon 9/2015 to 6/2016

* Developed a mobile application that allowed users to add “tags” to physical locations and view others tags
* The application was developed with Objective C and Swift and had Python and Django for the Server

**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
* Was part of a team that developed new content and managed our website
* Designed, developed and tested Career Services Dashboard used to track departmental records

**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 was in use by over 30,000 students and 6,000 employers
* Managed and used Symplicity and CSO Databases 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 for alpha, beta and gamma radiation
* 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.

**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***

**Pickly (Idea and name in development)**

* Developing a simple native mobile app that will allow users to set up and send a vote invite to friends. For instance, you could send out a poll to see where everyone wants to eat or what movie to watch and then everyone can vote on their favorites
* Technology: Developing with React Native, Node JS, Elastic and using a Mongo Database and Amazon AWS web services

**ShareShare Cloud System (Beta)**

* 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

***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***

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| --- | --- |
| * 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

**Grant Winner for Distance Education Software** 2008

* $8,000 dollar grant for software design

**Nuclear Regulatory Commission Research Grant** 2008-2010

* Full tuition and .49 Salary