**David Vasquez**

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***EDUCATION***

**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 December 2007

***RESEARCH AND WORK EXPERIENCE***

**Student Software Developer** Corvallis, Oregon 1/16 to Present

Oregon State University

* Responsible for backend work and front end projects in HTML5, JavaScript and CSS3
* Software Designer 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

**Research and Teaching Assistant: College of Business**

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

* Worked as a research assistant for data and statistical analysis utilizing Python, R, Java and Stata
* Utilized a variety of estimators applied to real data, including least squares, simultaneous equations, discrete choice, and limited dependent variable models
* Analyzed data with graphical, parametric and nonparametric methods for comparing two samples; ANOVA; simple linear regression and multiple linear regression

**Information Technology Coordinator**

Oregon State University- 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.
* 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

**Research and Teaching Assistant: Department of Nuclear Science and Technology**

Oregon State University10/07 to 5/10

* Conducted research on radioactive isotopes for around 2 years in a lab setting in order to build software that modeled isotopic behavior
* Used this data to construct algorithms to design, test and build digital radiation detection software
* Teaching assistant for graduate and undergraduate Nuclear Engineering and Radiation Health Physics courses

**Instructor: Radiation Biology and Radiation Physics**

Linn Benton Community College 9/08 to 09/10

* Designed and instructed Radiation Biology and Radiation Production and Characteristics
* Design included all course materials, tests and lectures to fit ASRT Standards

***FELLOWSHIPS, GRANTS and AWARDS***

**Achievement Rewards for College Scientists**  2010

**Fellow**

* Nominated by Faculty and Selected for ARCS Fellowship providing $6,000 per year fellowship

**Grant Winner for Digital Radiation Software Design** 2008

* $8,000 dollar grant for software design

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

* Full tuition and .49 Salary

**National Science Foundation**  2008

* Honorable Mention for original Thesis Proposal which changed

**Legacy Health System Scholar** 2005

* Nominated by faculty and selected for Legacy Health System Scholarship

**Dosimetry Group Project Manager** 2008

* Graduate representative of Dosimetry Project for NE/RHP Dosimetry 490/590

**US Department of Energy Scholarship for Nuclear Engineering/Radiation Health Physics** 2005

* Interviewed and was chosen for an undergraduate scholarship

**Mortar Board National Honor Society**  2004

* Nominated for and selected to be involved in Mortar Board National Honor Society

***CAMPUS and VOLUNTEER WORK***

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

* Member of OSU App Club which designs native and non-native apps for mobile devices

**OSU Community Affairs Task Force**

Member and Volunteer Corvallis, Oregon 2012

* Worked with a Task Force chaired by OSU President to improve community and university relations due to strains on local community due to growing student population body

**OSU Disability Affairs Task Force**

Member and VolunteerCorvallis, Oregon 2012

* Worked with a Task Force to improve accessibility access on campus for all students

**American College of Healthcare Executives**

President Corvallis, Oregon 10/05 to 6/06

* Managed and organized all ACHE activities and led executive board members

**Health Management Advisory Board** Corvallis, Oregon 9/05 to 6/06

Student Advisor

* As the president of ACHE was selected to be a member of faculty comprised Health Management and Policy Board for guiding and shaping the HMP curriculum

**American College of Healthcare Executives** Corvallis, Oregon 10/04 to 6/05

Vice President

* Assisted President with ACHE activities and duties

***TECHNICAL EXPERIENCE***

* **Languages:** Java, JavaScript, Python, PHP, C, Swift
* **Data Analysis:** Stata, Rand multiple programming languages for analysis
* **Development:** React, React Native, Redux, Jquery, Axios, JSON, REST architecture, Docker, WAMP stack, NPM, Composer, Google APIs, Google Map APIs
* **Databases:** MySQL, Microsoft SQL Server, MongoDB, knowledge of design and analysis of RDBMS
* **Front End:** HTML5, CSS3, SASS, Bootstrap, UI Kit, Use of Responsive Design Principles
* **Development Tools:** Git, Github, Bitbucket, XCode, Visual Studio, Eclipse

***PROGRAMMING PROJECTS***

**Evently (in development)**

* Summary: Evently is a web application and mobile app to allow students to easily find and subscribe to campus and community groups
* Technology: The native iPhone app is being developed with Swift and the native android app with Java. The login will be handled with OAuth 2.0 and the server will be a REST API built with Python and the Laravel Framework

**ShareShare (in development)**

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