**David Vasquez**

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***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 December 2007

***WORK EXPERIENCE***

**Software Developer**

Oregon State University Corvallis, Oregon 1/2016 to Present

* Software developer utilizing Python, Java, React, JavaScript, Linux and Windows, MS SQL Server, AWS, HTML5 and CSS3 to maintain and build applications
* Part of a software testing team utilizing Python and JavaScript to develop testing framework for web applications
* Led Project to restructure, debug and update server code for OSU Transportation Services; responsible for new code being 15% the size of old structure and 27% of original file size
* Worked to maintain and develop a number of RESTful APIs that allowed applications to interface with our data for a number of financial and data driven projects; this included developing for both internal employee and external users

**Research Assistant and Instructor**

Oregon State University Corvallis, Oregon 9/2014 to 1/2016

* Worked as a research assistant responsible for collecting data and statistical analysis utilizing Java, Python, R and Stata
* Retrieved data utilizing RESTful APIs and web scraping (JSON, XML, Python, Beautiful Soup)
* Designed all course curriculum for and instructed Ba 260

**Programmer Analyst**

Oregon State University- Student Life Corvallis, Oregon 6/2013 to 9/2014

* Helped manage OSU cloud based databases containing over 6,000 employers and 60,000 student records
* Built algorithms in Java and Python to analyze University data for financial and business reports used by University leadership
* Helped design, develop and test a number of business microservices to track departmental records utilizing Java, Python and JavaScript

**Graduate Research Assistant**

Oregon State University- Career Services/Student Life Corvallis, Oregon 1/12 to 6/13

* 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
* Helped plan and organize for Career Fairs and co-supervised undergraduate staff team members
* Co-formed and helped lead Career Services Advisory Committee with NW Employers including Target, Boeing, Rubicon, Boys and Girls Club, Enterprise Rent a Car, United Way and others

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

Oregon State University Corvallis, Oregon 10/07 to 5/10

* Designed, tested and built digital radiation and detection software and was lead on all aspects of algorithm construction and software development cycle from start to completion
* Research involved data collection of radioactive isotope for around 2 years in a lab setting in order to build software that modeled isotopic spectroscopic behavior
* Research was funded by the Nuclear Regulatory Commission and Department of Nuclear Science and Technology; Grant winner of $8,000 in additional funding for software development
* Teaching assistant for graduate and undergraduate Nuclear Engineering and Radiation Health Physics courses including supervising safety procedures around lab equipment in an instrumentation lab with radioactive materials where safety was the highest priority

**Instructor: Radiation Biology and Radiation Physics**

Linn Benton Community College Albany, Oregon 9/08 to 09/10

* Course instructor responsible for designing all course curriculum and instructing course over multiple terms
* Biology course covered cell biology, biophysical events, cellular level radiation effects, cell survival and recovery, dose response curves, systematic responses, hematologic and cytogenetic effects, and stochastic effects of radiation
* Physics course covered math and physics basics, atomic and nuclear structure, EM and particulate radiation, photon interactions, differential absorption and principles of attenuation

**Student Athlete Tutor: Athletic Department**

Oregon State University Corvallis, Oregon 10/07-6/08

* Tutored student athletes in math and health physics courses

**Legacy Health System**

Supply Chain Business (Intern) Portland, Oregon 07/06 to 09/06

* Analyzed Legacy Health System’s supplier contracts to create a marketing plan to attract and retain minority owned vendors and presented plan to key company executives

***TECHNICAL EXPERIENCE***

* **Languages:** Java, JavaScript, Python, PHP, Node.js
* **Development:** React, React Native, Amazon Web Services, jQuery, JSON, REST architecture, WAMP stack, NPM, Composer, Google APIs
* **Databases:** MySQL, Microsoft SQL Server, knowledge of design and analysis of RDBMS
* **Front End:** HTML5, CSS3, Bootstrap, UI Kit, Use of Responsive Design Principles
* **Development Tools:** Git, GitHub, Bitbucket, IntelliJ, Eclipse, Jira, Slack

***CAMPUS and VOLUNTEER WORK***

**OSU Computer Science Senior Capstone Project Sponsor**

Oregon State University Corvallis, Oregon 9/2017 to Present

* Developing a React Native mobile application that will allow students to find events and follow on campus groups

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

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

* Developed a native mobile application that allowed users to add “tags” to physical locations

**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

***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