**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 Physics June 2010

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

Health Management and Policy December 2007

***TECHNICAL EXPERIENCE***

* **Languages:** Java, JavaScript, PHP, Python
* **Development:** LAMP and WAMP Stacks, Laravel, React.js, Node.js, Docker, Selenium, JQuery, Oauth, Jira, JUnit 5, REST APIs, Express, NPM, Google APIs
* **AWS and Cloud:** EC2, RDS, S3, Lightsail, Google Firebase
* **Databases:** MySQL, Relational Databases, MongoDB, Microsoft SQL Server
* **Front End:** HTML5, CSS3, Bootstrap, Use of Responsive Design Principles
* **Development Tools:** Visual Studio, IntelliJ, Git, Github, Adobe Photoshop, Bitbucket, XCode

***PROFESSIONAL EXPERIENCE***

**Research and Data Analyst**

Oregon State University Corvallis, Oregon 5/2019 to Present

* Work directly with University Leadership to provide reporting that is primarily developed using Python, SQL, Java and Adobe Suite
* Work as a full stack developer supporting web and mobile applications primarily utilizing React, JavaScript, Node.Js, Express, PHP and AWS
* Team lead working to automate processes currently done by hand using Java and Python

**Software Engineer**

Cambia Health Solutions Portland, Oregon 10/2018 to 4/2019

* Work as a Software Engineer in an Agile Environment developing RESTful APIs, DevOps, handling tickets, developing features and supporting Customer Onboarding Team
* Developed automated testing with Python and Selenium for QA and Engineering Teams
* Worked extensively developing unit tests in Java for server code without test coverage as the company moved towards a more continuous integration environment
* Involved with organizational wide transition from Sybase to SQL including developing APIs, writing test coverage and handling tickets

**Software Engineer**

Oregon State University Corvallis, Oregon 1/2016 to 9/2018

* Work with the Electrical Engineering and Computer Science Department mentoring Senior Capstone Teams developing mobile applications utilizing Swift, PHP, Node.js, Firebase and AWS
* Worked on an Agile Team developing a large distributed IOT system as part of an industry grant with Fujitsu primarily developing the cloud backend with Python and JavaScript.
* Led project to develop a single page application utilized for real time dispatch at Transportation Services used by multiple Departments and also University of Oregon and Portland State University
* Developed and maintained a number of software systems for OSU Transportation Services utilizing PHP, JavaScript, Git, HTML and CSS

**Programmer Analyst**

Oregon State University Corvallis, Oregon 6/2013 to 9/2015

* Led the data analysis component of a Departmental Audit including developing algorithms in Java and Python to analyze 5 years of departmental data for Department Staff and Dean of Student Life
* Worked with multiple customers across OSU including students, faculty and staff to help manage web services utilizing PHP, JavaScript, CSS and HTML
* Project manager reporting to the Dean of Student Life for transition to new HR database which involved multiple departments including the Career Development Center, Office of Human Resources and Information Services

**Research Assistant**

Oregon State University Corvallis, Oregon 1/2012 to 6/2013

* Helped with project management for events including Career Expos, Seminars and Interview Days
* Helped hire, train and supervise a team of undergraduate Career Assistants for projects including data analysis, event planning and marketing
* 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

**Graduate Research 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 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

***FELLOWSHIPS, GRANTS and AWARDS***

**Fellow: Achievement Rewards for College Scientists**  2010

* 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

**Dosimetry Group Project Manager** 2008

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

**Legacy Health System Scholar** 2005

* Nominated by faculty and selected for Legacy Health System Scholarship

**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

***TEACHING EXPERIENCE***

**OSU Electrical Engineering and Computer Science Senior Capstone Project Sponsor**

Oregon State University Corvallis, Oregon 9/2015 to Present

* Work as a project sponsor on Senior Capstone projects primarily focused on mobile and server development
* The projects have mostly been developed with Java, Kotlin, Swift, Node.js, PHP and Firebase

**Instructor: Starting and Running an Agriculture or Horticulture Business**

Linn Benton Community College Albany, Oregon 9/2017 to Present

* Designed course curriculum and am responsible for all aspects of the course which is every Fall Term
* Managed student teams of 3 to 4 students on a writing intensive term project

**Instructor: Ba 260 Intro to Entrepreneurship**

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

* Role involved designing all course curriculum including lecture slides, quizzes and tests
* Responsible for working with student teams of 4 to 5 students on group projects and grading the written documents

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

Oregon State University Corvallis, Oregon 10/2007 to 5/2010

* Teaching Assistant NSE 536 and NSE 236 involved with helping students with homework and attending and helping with labs

**Instructor: Radiation Biology**

Linn Benton Community College Albany, Oregon 9/2008 to 09/2010

* Design curriculum for and instructed course which met ASRT Standards
* 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

**Instructor: Radiation Production and Characteristics**

Linn Benton Community College Albany, Oregon 9/2008 to 09/2010

* Design curriculum for and instructed course which met ASRT Standards
* 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: OSU Athletic Department**

Oregon State University Corvallis, Oregon 10/2007 to 6/2008

* Tutored student athletes in math and health physics courses

***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 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