**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, Python, PHP, Swift
* **Development:** Node.js, React, Spring, Express, EC2, RDS, S3, Firebase, REST architecture, JSON, JQuery, NPM, JUnit, Google APIs
* **Data Analysis:** Stata, R and Python
* **Databases:** MySQL, Microsoft SQL Server, MongoDB
* **Front End:** HTML5, CSS3, Bootstrap, Use of Responsive Design Principles
* **Development Tools:** Visual Studio, IntelliJ,Git, Github, Bitbucket, XCode

***PROFESSIONAL EXPERIENCE***

**Research and Data Analyst**

Oregon State University Corvallis, Oregon 5/2019 to Present

* Work as a full stack developer supporting web and mobile applications primarily utilizing Swift, React, JavaScript, Node.Js and AWS
* Team lead working to automate processes currently done with Excel using Java and Python
* Working to gather and analyze data primarily utilizing Excel, MySQL, Python and Java

**Software Engineer**

Cambia Health Solutions Portland, Oregon 10/2018 to 5/2019

* Work as a backend software engineer at Cambia Health Solutions developing software applications to support onboarding business team utilizing Java, Spring, J2EE, AWS and SQL
* Involved with cross team projects supporting legacy code and developing and testing new APIs
* Worked extensively in a TDD Environment writing unit tests for existing server code as the company worked towards a more continuous integration environment
* Work in an Agile development environment utilizing stories and tickets to develop new technology and support existing technology in correlation with business needs

**Software Engineer**

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

* Work with OSU Electrical Engineering and Computer Science Department with senior capstone teams developing iOS and Android Apps applications primarily using Swift, Java and React Native
* Worked as part of a large team on an industry grant through Fujitsu on a single page web application supporting more efficient HVAC equipment, the work was primarily done in Python
* Led project for OSU Transportation Services to develop a single page application utilized for real time dispatch used by both the University of Oregon and Oregon State University
* Led project to restructure, debug and update server code at OSU Transportation Services; responsible for new code being 15% the size of old structure and 27% of original file size

**Programmer Analyst**

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

* Worked with multiple customers across OSU including students, faculty and staff to help the Career Development Center provide digital services more efficiently
* Project manager for transition to new career database which involved multiple departments including the Career Development Center, Office of Human Resources and Information Services
* 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

**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 Engineering Faculty and Selected for ARCS Fellowship providing $6,000 per year

**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

***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 projects primarily focused on mobile and server development
* The projects have mostly been developed with React, React Native, 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