**David Vasquez**

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***EDUCATION***

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

MBA- Innovation Management 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 1/2018

* Responsible for backend work and front end projects utilizing React, JavaScript, JSON, Java, SQL, Microsoft SQL Server, HTML5 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

**Startup co-Founder**  Corvallis, Oregon 05/2017 to Present

* Currently working with a team of professors and engineers on a software startup
* Work has focused on the business aspects including developing a business plan, marketing, securing a patent and NDAs

**Research Assistant and Instructor**

Oregon State University- College of Business Corvallis, Oregon 9/2014 to 1/2016

* Worked as a research assistant conducting data and statistical analysis utilizing Python, R and Stata analyzing University innovation and commercialization
* Designed all course curriculum for and instructed Ba 260 Intro to Entrepreneurship at OSU and Starting an Agriculture or Horticulture Business at LBCC

**Information Technology Coordinator**

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

* Built algorithms in Java and Python to analyze 5 years of departmental data to create a report for Department Staff and Dean of Student Life and used this data to help expand our services to a more diverse audience
* Worked with OSU Accounting and Dean of Student Life to audit and standardize our internal accounting procedures to match University Standards
* Helped hire, train and supervise undergraduate staff members in Student Life Office
* Worked to develop relationships with faculty and staff across campus to educate them on resources offered by our Department

**Employer Relations Graduate Assistant**

Oregon State University- Career Services/Student Life Corvallis, Oregon 1/2012 to 6/2013

* 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
* Helped market the Career Development Center to students, employers and faculty through employer newsletter, events, social media, website and promotional material

**Advantage Accelerator Intern**

Oregon State University- Advantage Accelerator Corvallis, Oregon 6/2011 to 1/2012

* Analyzed OSU research with strong potential for licensing or commercialization
* Worked with the Office for Sponsored Research and Award Administration to improve service to industry partners

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

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

* 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
* 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 9/2008 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
* 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 10/2007-6/2008

* Tutored student athletes in math and health physics courses

**Legacy Health System**

Supply Chain Business (Intern) Portland, Oregon 07/2006 to 09/2006

* 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, C, Swift
* **Data Analysis:** Stata, Rand multiple programming languages for analysis
* **Development:** React, React Native, Redux, Jquery, JSON, REST architecture, WAMP stack, NPM, Composer, Google APIs, Google Map APIs
* **Databases:** MySQL, Microsoft SQL Server, 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, Eclipse

***CAMPUS and VOLUNTEER WORK***

**OSU Computer Science Senior Capstone Project Sponsor**

Oregon State University Corvallis, Oregon 9/2017 to Present

* Working with two OSU Senior Capstone Teams mobile applications utilizing React Native
* The first team is working on an application that will allow students to find events and follow on campus groups to make becoming involved in the OSU Community easier
* The second team is working on a social network allowing people to share longer journal like posts and join communities

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

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

* Worked as a project sponsor with a team of undergraduate students on their senior project, including facilitating project idea, meetings, deadlines and grading a portion of the total project to develop 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

**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 2006

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

**Health Management Advisory Board** Corvallis, Oregon 2006

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 2005

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