

David Vasquez

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EDUCATION

Masters of Science, Cum Laude
MBA

Oregon State University
June 2013

Masters of Science, Cum Laude
Radiation Health Physics

Oregon State University
June 2010

Bachelor of Science, Cum Laude
Health Management and Policy

Oregon State University
December 2007

WORK EXPERIENCE

Software Developer

Oregon State University Corvallis, Oregon 1/2016 to Present

- Utilized SQL, Java, Python and JavaScript to manage data for transportation services
- Developed a number of web based tools for tracking and managing accounting and usage data for Transportation Services
- Worked with a team to conduct a cost benefit analysis for Transportation Services
- Led project to restructure, debug and update server code for Transportation Services; responsible for new code being 15% the size of old structure and 27% of original file size
- Responsible for backend work and front end projects utilizing Java, Python, SQL, MySQL, Excel, Access and Visual Studio

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

Business Analyst

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
- 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 as a technical adviser on a team that updated Career Development Center IT processes including transitioning to a new database provider and redesigning our internal staff drive to make data and document handling more efficient by standardizing procedures.

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

- Worked with the Office for Commercialization and Corporate Development (OCCD) and the Office for Sponsored Research and Award Administration (OSRAA) to conduct a process analysis of the grant administration process. The methods included analyzing documentation and in person interviews in order to understand all aspects of the grant administration process.
- Worked with OCCD staff to find and remove bottlenecks to improve grant handling of industry related grants.

Research and Teaching Assistant: Department of Nuclear Science and Technology

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

- Worked with faculty to develop digital radiation detection software which was funded through a Nuclear Regulatory Commission grant.
- Nominated by Faculty and selected for ARCS Fellowship providing \$6,000 per year in addition to GRA funding.
- Co-authored and was awarded research grant "Digitized Instrumentation Lab for Distance Students" for \$8,220.

Legacy Health System

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

- Worked as a Supply Chain Intern at Legacy Health System to help improve their outreach to minority owned vendors in order to encourage more partnerships with these firms.
- The first component of this position was conducting an analysis of their current contracts to create a new database of minority owned vendors. The second component was conducting a procedural analysis of current business practices regarding minority owned vendors. The third component was meeting with current Legacy employees and minority owned enterprises to identify ways to promote and make it easier for these vendors to contract with LHS.
- Used this analysis to create a detailed report of findings and future recommendations and presented this to the Director of the Supply Chain and LHS Leadership, many of these recommendations were put into practice by the Supply Chain.

TECHNICAL EXPERIENCE

- **Languages:** Java, JavaScript, Python, PHP, C, Swift
- **Data Analysis:** Stata, R and 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

Startup Research Assistant Corvallis, Oregon 05/2017 to 06/2018

- Worked 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

OSU Computer Science Senior Capstone Project Sponsor

Oregon State University Corvallis, Oregon 05/2017 to 06/2018

- 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 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 Volunteer Corvallis, 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

Student Advisor Corvallis, Oregon 2006

- 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

Vice President Corvallis, Oregon 2005

- 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