

David Vasquez

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EDUCATION

Masters of Science, Cum Laude
Masters of Business Administration

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 Engineer

Cambia Health Solutions Portland, Oregon 9/2018 to Present

- Work as a software developer at Cambia Health Solutions developing software applications to support onboarding business team utilizing Java, Python, SQL and Apex
- Work in an Agile development environment to respond to and handle tickets and develop new functionality in correlation with business users

Software Developer

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

- Developed and maintained a number of software systems for OSU Transportation Services including writing code to integrate third party APIs like Google and third party vendor software
- Led project to restructure, debug and update server code; 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 Python, Java, React, JavaScript, Git, HTML, CSS and PHP

Graduate 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 Python, R and Stata
- Designed all course curriculum for and instructed Ba 260

Programmer Analyst

Oregon State University Corvallis, Oregon 6/2013 to 9/2014

- Worked with multiple customers across OSU including students, faculty and staff to help the Career Development Center provide digital services more efficiently
- Led technical aspects of and was responsible for all data during transition to new career database containing over 6,000 employers and 60,000 student records
- 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

Graduate Research Assistant

Oregon State University 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

- Managed and used Symplicity and CSO Databases with over 6,000 employers and 60,000 students and alumni, this includes data analysis of events to determine program and event efficiency
- 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

Graduate 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

Instructor

Linn Benton Community College Albany, Oregon 9/08 to Present

- Design curriculum for and instructed a number of courses at LBCC including Radiation Biology, Radiation Production and Characteristics and Intro to Starting and Running an Agriculture or Horticulture Business

Student Athlete Tutor: OSU 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

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

CAMPUS and VOLUNTEER WORK

OSU Electrical Engineering and Computer Science Senior Capstone Project Sponsor

Oregon State University Corvallis, Oregon 9/2017 to Present

- Work as a project sponsor with undergraduate students on their senior projects, including facilitating project idea, meetings, deadlines and grading a portion of the total project

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

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

TECHNICAL EXPERIENCE

- **Languages:** Java, JavaScript, Python, PHP, C, Swift
- **Data Analysis:** Stata, R and multiple programming languages for analysis
- **Development:** React, React Native, JQuery, JSON, REST architecture, WAMP stack, NPM, Composer, Google APIs, Google Map APIs
- **Databases:** MySQL, Microsoft SQL Server, MongoDB, 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, XCode, Visual Studio, Eclipse