

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 Physics

Oregon State University
June 2010

Bachelor of Science, Cum Laude
Health Management and Policy

Oregon State University
December 2007

TECHNICAL EXPERIENCE

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

PROFESSIONAL EXPERIENCE

Research and Data Analyst

- Oregon State University Corvallis, Oregon 5/2019 to Present
- Lead developer for web applications in the Office of Student Life
 - Develop reports for University Leadership by gathering and analyzing data primarily with Java, Python, MySQL and Excel
 - Team lead working to automate processes currently done by hand using Java and Python
 - Work as a full stack developer supporting web and mobile applications primarily utilizing React, JavaScript, Node.js, Express and AWS

Software Engineer

- Cambia Health Solutions Portland, Oregon 10/2018 to 4/2019
- Work as a Software Engineer at Cambia Health Solutions handling tickets, developing features and supporting onboarding business team utilizing Java, Spring, AWS and SQL
 - 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 cross team project management for planning, developing and testing new APIs

Software Engineer

- Oregon State University Corvallis, Oregon 1/2016 to 9/2018
- 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
 - Worked as a Testing Engineer developing an IOT Project as part of an industry grant with Fujitsu primarily developing with Java, Python and JavaScript.
 - Work with the Electrical Engineering and Computer Science Department mentoring Senior Capstone Teams developing mobile applications utilizing Swift, Java, React Native, Firebase and AWS
 - Developed and maintained a number of software systems for OSU Transportation Services utilizing Python, JavaScript, Git, HTML, CSS and PHP

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 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

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 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 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

Student Advisor Corvallis, Oregon 9/05 to 6/06

- 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 10/04 to 6/05

- Assisted President with ACHE activities and duties