

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

Web Designer

Oregon State University Corvallis, Oregon 1/2016 to Present

- Web designer working on front end and back end for responsive web pages and lobby displays
- Design tools and software included Drupal, Adobe Photoshop, Adobe InDesign, HTML5, CSS3, JavaScript, PHP, React and Microsoft SQL Studio
- Led site redesign which resulted in new code being 15% the size of old structure and 27% of original file size

Instructor: Starting an Agriculture or Horticulture Business

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

- Course instructor responsible for designing all course curriculum and instructing course related to starting an agricultural business in the Department of Agriculture Science

Graduate Assistant and Instructor

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

- Designed all course curriculum and instructed Ba260 Intro to Entrepreneurship
- Worked with faculty on research related to customer service and network externalities

Information Technology Coordinator

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

- Worked with design and marketing team to manage Career Development Center website which is built on Drupal
- Worked with Dean of Student Life to help transition from Career Services to Career Development Center
- Designed internal web pages with Adobe InDesign, HTML5, CSS3, JavaScript and PHP
- Helped co-manage undergraduate students and train staff on web based technologies

Employer Relations Graduate Assistant

Oregon State University- Career Development Center Corvallis, Oregon 1/12 to 6/13

- Helped market the Career Development Center to students through events, social media, website and promotional materials
- 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

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
- Teaching assistant for graduate and undergraduate 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

9/08 to 09/10

- Course instructor responsible for designing all course curriculum and instructing course over multiple terms
- 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

10/07-6/08

- 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

TECHNICAL EXPERIENCE

- **Languages:** PHP, Java, JavaScript, Python
- **Development:** React, React Native, Redux, Jquery, Axios, 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, Responsive Design
- **Development Tools:** Git, Github, Bitbucket, XCode, Visual Studio, Eclipse
- **Graphics:** Adobe Photoshop, InDesign, Illustrator

CAMPUS and VOLUNTEER WORK**OSU Computer Science Senior Capstone Project Sponsor**

Oregon State University

Corvallis, Oregon

9/2017 to Present

- Developing a mobile application that will allow students to find events and follow on campus groups
- The mobile app is being developed with React Native connecting to a REST API and users will authenticate with OAuth2
- The backend is being developed with Java and the Spring framework and will utilize JSON for data transfer

Startup co-Founder

Corvallis, Oregon

05/17 to Present

Rad Alert

- Currently working with two Nuclear Engineering Faculty on a startup related to Homeland Security
- The process involves developing a business plan, manufacturing, sales, patents and NDAs

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 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

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

- Nominated for and selected to be involved in Mortar Board National Honor Society

PROGRAMMING PROJECTS**ShareShare (In Beta)**

- Summary: Building a file sharing cloud system that simplifies file sharing with friends. The system is very object oriented and will have a complete file management system
- Technology: JavaScript, React JS, JQuery, multiple plugins, PHP, MySQL

Evently (In Development)

- Summary: Evently is a web application and mobile app to allow students to easily find and subscribe to campus and community groups
- Technology: The native iPhone app is being developed with Swift and the native android app with Java. The login will be handled with OAuth 2.0 and the server will be a REST API built with Python and the Laravel Framework

Web Parser and Database

- Summary: Shopping comparison parsed from the web with over 10,000 items and images
- Technology: Built in an object oriented style with Java and Python, MySQL Relational Database

C Experiment

- Summary: Built a system to determine probability of randomly constructing the simplest C algorithm running at 1 iteration per second
- Technology: Built with C and Python