

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

TEACHING AND WORK EXPERIENCE

Instructor

Linn Benton Community College Albany, Oregon 9/17 to Present

- Designed curriculum for and instructed AREC 213 Starting an Agriculture Horticulture Business
- Responsible for designing all course material and supervising group projects related to starting, funding and running a small business

Web Developer and Designer

Oregon State University Corvallis, Oregon 1/16 to Present

- Managed multiple front end and back end projects utilizing React, HTML5, JavaScript and CSS3
- Designed and develop lobby displays and web page front ends
- Led restructure, debugging and updating of server code; responsible for new code being 15% the size of old structure and 27% of original file size

Instructor and Research Assistant: College of Business

Oregon State University Corvallis, Oregon 9/14 to 1/16

- Designed all curriculum for and instructed Ba 260
- Received above average student teaching evaluations related to University and College of Business scores
- Worked as a research assistant conducting data and statistical analysis utilizing Python, R and Stata analyzing University innovation and commercialization

Employer Relations and IT

Oregon State University- Student Life Corvallis, Oregon 6/13 to 9/14

- 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 supervise student workers for multiple projects and events
- Built algorithms in Java to analyze 5 years of departmental data to create a report for Department Staff and Dean of Student Life

Employer Relations Graduate Assistant

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

- Helped plan and organize for Career Fairs and co-supervised undergraduate staff team members
- Helped market the Career Development Center to students through employer newsletter, events, social media, website and promotional material

Oregon State University

Venture Accelerator Analyst (Intern)

Corvallis, Oregon

6/11 to 1/12

- Developed internal website for market analysis research protocols. The program is used to bring OSU technology to market through licensing and start-ups

Instructor: Radiation Biology and Radiation Physics

Linn Benton Community College

Albany, Oregon

9/08 to 09/10

- Design included all course materials, tests and lectures to fit ASRT Standards
- Course instructor responsible for designing all course material including lectures, tests and quizzes
- Biology course covered basic cell biology, biophysical events, cellular level radiation effects, cell survival and recover, 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

Teaching and Research Assistant: Department of Nuclear Science and Technology

Oregon State University

Corvallis, Oregon

10/07 to 5/10

- Teaching assistant for graduate and undergraduate Nuclear Science and Technology courses including supervising safety procedures around lab equipment in an instrumentation lab with radioactive materials where safety was the highest priority
- 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
- Funded by the Department of Nuclear Engineering/Radiation Health Physics in conjunction with the Nuclear Regulatory Commission. Grant winner of \$8,000 in additional funding for software development

Student Athlete Tutor: Athletic Department

Oregon State University

Corvallis, Oregon

10/07 to 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

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

Oregon State University

Corvallis, Oregon

9/17 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 and will be built on Amazon AWS S3 and RDS

Startup co-Founder

Corvallis, Oregon

05/17 to Present

Rad Alert

- Currently working with 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

9/15 to 6/16

- Developed 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
- Mortar Board National Honor Society** 2004
- Nominated for and selected to be involved in Mortar Board National Honor Society

TECHNICAL EXPERIENCE

- **Languages:** Java, C, PHP, JavaScript, Python
- **Other:** R, Stata, JQuery, HTML5, CSS3, WAMP and LAMP stack, Wordpress, Node.js, Laravel framework
- **Databases:** MySQL, SQLite and knowledge of design and analysis of RDBMS
- **Operating Systems:** Windows, Mac OS X, Linux, Android
- **Development Tools:** Visual Studio, Eclipse, Git, Github, Bitbucket, XCode

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