**David Vasquez**

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***EDUCATION***

**Masters of Science, Cum Laude Oregon State University**

Masters of Business Administration June 2013

**Masters of Science, Cum Laude Oregon State University**

Radiation Health Physics June 2010

**Bachelor of Science, Cum Laude Oregon State University**

Health Management and Policy June 2007

***RESEARCH EXPERIENCE***

**Research Assistant: College of Business**

Oregon State University Corvallis, Oregon 9/14 to Present

* Worked as a research assistant for data and statistical analysis utilizing Python, R and Stata
* Analyzed University innovation and commercialization

**Research Assistant: Biology and Ecology**

Oregon State University Corvallis, Oregon 4/15 to 7/15

* Worked doing statistical analysis with an ecological team studying the spatial behavior of turtles based on a river fork with and without a dam
* Used software including R and Stata

**Research Assistant: Department of Nuclear Engineering and Radiation Health Physics**

Oregon State University10/07 to 5/10

* Conducted research on radioactive isotopes for around 2 years in a lab setting in order to build software that modeled isotopic behavior
* Used this data to construct algorithms to design, test and build digital radiation detection software
* This research was funded by the Nuclear Regulatory Commission and won an additional research grant while being developed

***TECHNICAL EXPERIENCE***

* **Languages:** Java, C, PHP, JavaScript, Python
* **Other:** JQuery, HTML5, CSS3, WAMP and LAMP stack, Wordpress, Drupal 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

***FELLOWSHIPS, GRANTS and AWARDS***

**Senior Capstone Project Sponsor** 2014-2105

* OSU Computer Science Department senior capstone project sponsor

**Achievement Rewards for College Scientists**  2010

**Fellow**

* Nominated by Faculty and Selected for ARCS Fellowship providing $6,000 a year scholarship

**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 selected 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***

**Teaching Assistant: Department of Nuclear Engineering and Radiation Health Physics**

Oregon State University10/07 to 5/10

* Was a teaching assistant for graduate and undergraduate Nuclear Engineering and Radiation Health Physics courses
* This included supervising safety procedures around lab equipment in an instrumentation lab with radioactive materials where safety was the highest priority

**Radiation Biology Instructor**

Linn Benton Community College, Diagnostic Imaging Department 9/08 to 09/10

* Instructor in Diagnostic Imaging Department responsible for creating all new course curriculum to fit American Society of Radiologic Technologists
* This included designing lectures, slides, tests and homework for both Radiation Biology and Radiation Production and Characteristics

**Student Athlete Tutor: Athletic Department**

Oregon State University 2008-2009

* Tutored student athletes in math and health physics courses

***PROFESSIONAL WORK EXPERIENCE***

**Information Technology Coordinator**

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

* Designed, developed and tested Career Services Dashboard an asynchronous client/server application with a Relation Database used to track future departmental records. Developed using PHP, MySQL, AJAX, JavaScript, JQuery, CSS and HTML
* Led technical aspects of and was responsible for all data during transition to new career database containing over 6,000 employers and 27,000 students
* Built algorithms in Java to analyze 5 years of departmental data to create a report for Department Staff and Dean of Student Life

**Oregon State University**

Employer Relations Graduate Assistant1/12 to 6/13

* Communicate with employers, manage OSU student and employer database, plan and organize for Career Fairs and co-supervise undergraduate staff

**Oregon State University**

Venture 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

**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 Mobile App Club** Corvallis, Oregon 2013-2014

* Member of OSU App Club which works to design 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 VolunteerCorvallis, 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

***PROGRAMMING PROJECTS***

**WishList (working name, in beta)**

* Summary: Building a simple social application to make a Christmas or birthday wish list and easily share with friends and family
* Technology: UIKit, JavaScript, AJAX, JQuery, multiple plugins, PHP, MySQL

**ShareSpace Cloud System (working name, in beta)**

* Summary: Building a file sharing cloud system that simplifies file sharing with friends. The system is very object oriented and will has a complete file management system
* Technology: PureCSS framework, JavaScript, AJAX, JQuery, multiple plugins, PHP, MySQL

**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

**Intelligence**

* Summary: Intelligence is a system to determine probability of randomly constructing the most simple C algorithm running at 1 iteration per second
* Outcome: After working with a statistics professor it was found to be improbable for a successful outcome. I am looking at re-running across many virtual servers in a better attempt at cellular development, which the idea was modeled on.
* Technology: Built with C, now building a python based web application