

**New Tests**

* **Create and validate a new zone**
  + Inputs
    - Zone Name
    - Building
    - Floor
    - Profile
  + Actions
    - Save Cancel
* **Zone Health and Comfort Thresholds**
  + C02
    - Slide Left and Right 0 to 1000
  + Temperature
    - Not sure min and max
  + VOCs
    - Slide Left and Right 0 to 1000
  + Relative Humidity
    - 0 to 100% I think
* **Devices in this Zone**
  + Why is this here should we be able to add a device
  + Including create a device
* **Weekly Schedule**
* **Yearly Schedule**
* **Devices in this Zone**

1. Study design. This part should describe how you planned to address the purpose of your research and how you intended to answer your research question, including any feasibility issues. Your aim is to address how well the study design you implemented was able to control random and systemic errors. By addressing these points, your readers will appreciate the validity and precision with which you arrived at your results.

2. Test subjects (selection criteria and methods). The purpose of discussing these elements is to address questions readers might have about the results you presented earlier in your paper.

3. Data collection (criteria and methods). Demonstrate the reliability of your methods. Did you adequately address bias and control any variables that could have impacted the results you presented in your paper?

4. Data analysis. By describing how you analyzed the data collected, you will address some of the concerns readers may have had about the conclusions you drew from that data.

* **CX**
  + Economics
    - Econ 201- Microeconomics
    - Econ 202- Macroeconomics
    - Econ 311- Intermediate economic theory
  + Business
    - Wr 214- Writing in Business
    - Ba 211- Financial Accounting
    - Ba 213- Managerial Accounting
    - Ba 230- Business Law
    - Ba 350- Organizational Systems
    - Ba 390- Marketing
    - Ba 531- Business Law
    - Ba 540- Corporate Finance
    - Ba 555- Practical Business Analysis
    - Ba 561- Supply Chain Management
    - Ba 550- Organizational Management
    - Ba 572- Advanced Information Systems
    - Ba 560- Venture Planning
    - Ba 562- Managing Projects
    - Ba 569- Advanced Strategic Management
    - Ba 555- Practical Business Analysis
    - Ba 543- Financial Markets and Institutions
    - Ba 663- Strategic Management
  + Research Methodology
    - Stats 511- Methods of Data Analysis
    - Stats 512- Methods of Data Analysis II
    - AEC 525- Applied Econometrics
    - Ba 612- Foundations of Business Research
    - Ba 660- Foundations of Entrepreneurial Research

http://www.mrcophth.com/publishorperish/methods.html

https://www.ncbi.nlm.nih.gov/pubmed/15447808

https://wordvice.com/research-writing-tips-methods/

**Of SL**

**Summary:** I worked for two years full time in the Office of Student Life. I was brought on by the Dean of Student Life to help conduct and implement a management improvement study. This was a major overhaul including hiring new director, assessing past financial and demographic performance and remodeling. I was part of a team that included the Dean of Student Life, Career Development Center Leadership and an external committee brought on from a number of external Universities to help the Department Transition. My role included conducting a conducting a Department Budget Analysis, Organizational Analysis of past performance, Procedural Analysis, Space Utilization Study and Record Management Analysis.

**Key Position Duties:**

* A major component of the analysis including conducting a departmental budget analysis to determine how Department had developed a surprise of over $400,000 dollars, conduct a cost benefit analysis of Career Expos and create labor cost and income statements for the events. The methods included both quantitative and qualitative analysis to gather and analyze data and gain understanding from staff of their accounting process in order to implement changes.
* Worked with University Accountants from the University Administrative Business Center in order to create a new process to make sure our internal billing and accounting methods were more streamlined and matched University accounting procedures.
* Part of team that conducted a space utilization analysis with an external interior designer that led to the creation of three new office cubicles, new Office of Student Life greeting desk and a marketing office for undergraduate students.
* Helped lead team that conducted and implemented a record management analysis that included a transition to a new database that houses over 60,000 students and 6,000 employer records. This team also rebuilt our staff drive and created new processes for storing all internal files
* Worked with Department to conduct an organizational analysis analyzing 5 years of past Career Expo attendance and implementing new procedures that helped double the size of Career Expo atteendees from just the Alumni Center to both the Alumni and LaSells Stewart Center. Also based on employer feedback implemented Interview Days which allowed employers to interview students right on campus. This included writing Java code to analyze demographic information for 22,500 student records
* Developed reports for Dean of Student Life and leadership including gathering and analyzing five years of past financial and demographic data to help increase our outreach to underrepresented students and to audit and standardize our internal accounting procedures to match University standards
* 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
* 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

**IT and Business Support (**Transportation Services)

* Led project to restructure, debug and update server code for Transportation Services; responsible for new code being 15% the size of old structure and 27% of original file size
* Helped conduct a cost benefit analysis for Transportation Services that looked at the costs the University incurred by allowing employees to take their personal car as opposed to utilizing the University owned fleet of vehicles
* Developed a number of web based budgeting tools for accounting use related to Transportation Services Budge and Logisitcs
* Handled database and data with MySQL, Access, Banner, Microsoft SQL Server, Java and JavaScript

**Research Assistant and Instructor (**College of Business**)**

* Helped conduct research with College of Business Faculty related to innovation and entrepreneurship
* Designed and instructed courses and actively worked to promote a welcoming and inclusive classroom environment where students felt comfortable and engaged

**Graduate Research Assistant (**Department of Nuclear Science and Technology**)**

* Nominated by Faculty and Selected for ARCS Fellowship providing $6,000 per year fellowship
* Worked with faculty to develop digital radiation detection software which was funded through a Nuclear Regulatory Commission grant
* Co-authored and was awarded research grant “Digitized Instrumentation Lab for Distance Students” for $8,220

**Employer Relations Graduate Assistant**

* Helped found and co-chair our Career Services Advisory Committee with NW Employers including Target, Boeing, Rubicon, Boys and Girls Club, Enterprise Rent a Car, United Way and others
* Worked to plan, market and run events including our Career Expos which are attended by hundreds of employers and thousands of students every term
* Helped interview, train and supervise a team of undergraduate workers including helping to run our student staff meetings and individual weekly meetings
* Interacted with employers through email, phone and in person meetings to help them engage with the OSU community and students

**OSU Advantage Accelerator**

* Worked with the newly created Office for Commercialization and Corporate Development (OCCD) and the Office for Sponsored Research and Award Administration (OSRAA) to conduct a processes analysis of the grant administration process. The methods included analyzing documentation and in person interviews which were used to document the grant workflow process utilizing word, excel and UML diagrams.
* This analysis was used to document how grants are handled so that the OCCD could look for ways to improve the speed and efficiency of how industry related grants are handled. OCCD staff used this to speed

**Legacy Health System Intern**

* Brought on as an intern in the Supply Chain at Legacy Health System to help improve their outreach to minority owned **vendors** in order to encourage more partnerships with these firms
* The first component of this position was conducting an analysis of their current contracts to create a new database of minority owned vendors
* The second component of this internship was conducting a procedural analysis based on this data which included speaking with minority owned vendors and creating strategies to allow the process for them to be more easy to work with vendors
* Created a detailed report of findings and future recommendations and presented this to the Director of the Supply Chain and LHS Leadership

**Notes**

**IT and Business Support**Related to This Position:

Job Summary: Worked to create and streamline business processes

Detailed Summary:

* Duties:
* Awards:

**Business Consultant (part time)**

Related to This Position:

Job Summary: Worked to create and streamline business processes

Detailed Summary:

* Duties:
  + Working on applying for Nuclear Regulatory Commission Nuclear Code Grants
* Awards:

Summary: Currently working as a business advisor for a startup comprised of Oregon State University Nuclear Science and Technology Faculty.

**Business Analyst**

Related to This Position:

Job Summary: Worked to create and streamline business processes

Detailed Summary:

* Duties:
* Awards:
* Worked with Department Staff and UABC to develop Income Statements for 7 years of past department revenue generation from Career Expos

**Employer Relations Graduate Assistant**

Related to This Position:

Job Summary: Worked to create and streamline business processes

Detailed Summary:

* Duties:
* Awards:

**Research Assistant and Instructor**Related to This Position:

Job Summary: Worked to create and streamline business processes

Detailed Summary:

* Duties:
* Awards:

**OSU Advantage Accelerator Intern**Related to This Position:

* Department staff to suggestion improvements based on process.

**CV**

**David Vasquez**

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***EDUCATION***

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

MBA- Innovation Management 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 December 2007

***WORK EXPERIENCE***

**Software Developer**

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

* Responsible for backend work and front end projects utilizing React, JavaScript, JSON, Java, SQL, Microsoft SQL Server, HTML5 and CSS3
* Software Designer involved with restructuring, debugging and updating server code; responsible for new code being 15% the size of old structure and 27% of original file size

**Startup co-Founder**  Corvallis, Oregon 05/2017 to Present

* Currently working with a team of professors and engineers on a software startup
* Work has focused on the business aspects including developing a business plan, marketing, securing a patent and NDAs

**Research Assistant and Instructor**

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

* Worked as a research assistant conducting data and statistical analysis utilizing Python, R and Stata analyzing University innovation and commercialization
* Designed all course curriculum for and instructed Ba 260 Intro to Entrepreneurship at OSU and Starting an Agriculture or Horticulture Business at LBCC

**Information Technology Coordinator**

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

* 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 and used this data to help expand our services to a more diverse audience
* Worked with OSU Accounting and Dean of Student Life to audit and standardize our internal accounting procedures to match University Standards
* Helped hire, train and supervise undergraduate staff members in Student Life Office
* Worked to develop relationships with faculty and staff across campus to educate them on resources offered by our Department

**Employer Relations Graduate Assistant**

Oregon State University- Career Services/Student Life Corvallis, Oregon 1/2012 to 6/2013

* 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
* Helped market the Career Development Center to students, employers and faculty through employer newsletter, events, social media, website and promotional material

**Advantage Accelerator Intern**

Oregon State University- Advantage Accelerator Corvallis, Oregon 6/2011 to 1/2012

* Analyzed OSU research with strong potential for licensing or commercialization
* Worked with the Office for Sponsored Research and Award Administration to improve service to industry partners

**Research and Teaching Assistant: Department of Nuclear Science and Technology**

Oregon State University Corvallis, Oregon 10/2007 to 5/2010

* 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
* Teaching assistant for graduate and undergraduate Nuclear Engineering and Radiation Health Physics 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 9/2008 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
* 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 10/2007-6/2008

* Tutored student athletes in math and health physics courses

**Legacy Health System**

Supply Chain Business (Intern) Portland, Oregon 07/2006 to 09/2006

* 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:** Java, JavaScript, Python, PHP, C, Swift
* **Data Analysis:** Stata, Rand multiple programming languages for analysis
* **Development:** React, React Native, Redux, Jquery, 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, Use of Responsive Design Principles
* **Development Tools:** Git, Github, Bitbucket, Eclipse

***CAMPUS and VOLUNTEER WORK***

**OSU Computer Science Senior Capstone Project Sponsor**

Oregon State University Corvallis, Oregon 9/2017 to Present

* Working with two OSU Senior Capstone Teams mobile applications utilizing React Native
* The first team is working on an application that will allow students to find events and follow on campus groups to make becoming involved in the OSU Community easier
* The second team is working on a social network allowing people to share longer journal like posts and join communities

**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 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 2006

* Managed and organized all ACHE activities and led executive board members

**Health Management Advisory Board** Corvallis, Oregon 2006

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 2005

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