**David Vasquez**

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***TECHNICAL EXPERIENCE***

* **Languages:** Java, C, PHP, JavaScript, Python
* **Data Analysis:** Stata, Rand multiple programming languages for analysis
* **Other:** JQuery, HTML5, CSS3, WAMP and LAMP stack
* **Databases:** MySQL, SQLite and RDBMS design
* **Development Tools:** Visual Studio, Eclipse, Git, Github, Bitbucket, XCode

***WORK EXPERIENCE***

**Research Assistant and Instructor**

Oregon State University Corvallis, Oregon 9/14 to Present

* Worked as a research assistant for data and statistical analysis utilizing Python, R, Java and Stata
* Utilized a variety of estimators applied to real data, including least squares, simultaneous equations, discrete choice, and limited dependent variable models
* Analyzed data with graphical, parametric and nonparametric methods for comparing two samples; ANOVA; simple linear regression and multiple linear regression

**Information Technology Coordinator**

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

* 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 27,000 students

**Database Management**

Oregon State University- Career Services/Student Life Corvallis, Oregon 1/11 to 6/13

*Graduate Assistant*

* Created, tested and implemented a system for OSU employers and students which sends out specific job postings to students based on their major. The system is in use by over 30,000 students and 6,000 employers
* Managed and used Symplicity Database with over 6,000 employers and 60,000 students and alumni, this includes data analysis of events to determine program and event efficiency

**Web Software Design**

Oregon State UniversityCorvallis, Oregon 6/11 to 1/12

*Venture Intern*

* Helped create business research protocols for future interns working with the Office for Commercialization and Corporate Development
* Developed an internal website for interns to use while conducting market analysis

**Software Design**

Oregon State UniversityCorvallis, Oregon10/07 to 6/10

*Research Assistant*

* Designed, tested and built digital radiation and detection software as a Research Assistant in the Department of Nuclear Engineering and Radiation Health Physics. 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

**Legacy Health System**  Portland, Oregon 06/06 to 09/06

**Business Intern**

* Intern at Legacy Health System’s Supply Chain; worked to create a marketing plan to attract and retain minority owned vendors.

***PROGRAMMING PROJECTS AND STARTUP WORK***

**ShareShare Cloud System**

* 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: 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

**Chat System**

* Summary: Built two chat systems for learning and use in software projects
* Technology: First was built with MySQL, PHP AJAX and JQuery, second was built with Node.js, socket.io and MongoDB

**Intelligence**

* Summary: Intelligence is a system to determine probability of randomly constructing the most simple C algorithm running at 1 iteration per second
* Technology: Built with C, now building a python based web application

***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

**AEC 525 Applied Econometrics**

General principles of applied econometric research are emphasized, including model building, data analysis, hypothesis testing, and evaluation and interpretation of results. A variety of estimators are applied to real data, including least squares, panel data, simultaneous equations, discrete choice, and limited dependent variable models.

**Ba 612 Foundations of Research**

Introduces first-year business doctoral students to concepts fundamental to conducting research in business as a social science. Specific topics may change from quarter to quarter, but sample topics include the academic environment in business, research paradigms, ethics in research, fundamentals of scientific research, constructs, validity, sampling, and analysis and interpretation.

**Stats 511- Methods of Data Analysis**

Multiple linear regression, including model checking, dummy variables, using regression to fit analysis of variance models, analysis of covariance, variable selection methods.

**Stats 512- Methods of Data Analysis**

Multiple linear regression, including model checking, dummy variables, using regression to fit analysis of variance models, analysis of covariance, variable selection methods.

***RELEVANT UNIVERSITY COURSES***

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| --- | --- |
| * Applied Econometrics (Grad Level) | * Statistics 511 (Grad Level) |
| * Methods of Data Analysis 512 (Grad Level) | * Foundations of Business Research (Grad Level) |
| * Java Programming | * Web Design I (PHP, HTML, JS, CSS) |
| * JavaScript | * Web Design II (PHP, MySQL, JS, CSS) |
| * C Programming | * Advanced Information Systems * AE |

***ACTIVITIES AND AWARDS***

**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.

**Fellow Achievement Rewards for College Scientists** Corvallis, Oregon 2010

* Nominated by faculty and selected for ARCS Fellowship providing $6,000 a year for research in Medical Physics