**Software Developer**

Oregon State University Corvallis, Oregon 1/2016 to Present

* Worked as a developer for backend and front end web and desktop applications utilizing Java, Python, MySQL, SQL Server, Eclipse, Visual Studio, JavaScript, HTML5, CSS3, Git, GitHub and Jira
* Worked with clients (OSU Departments, Faculty, Staff and Students) to design and build new applications and maintain existing applications including vendor and internal software
* Led project to restructure, debug and update Transportation Services server code; responsible for new code being 15% the size of old structure and 27% of original file size
* Used Microsoft SQL Server, Access and Excel to manage Oregon State University databases
* Created documentation and educated staff on existing and new software applications

**Instructor- LBCC College of Agricultural Science (part time)**

Linn Benton Community CollegeAlbany, Oregon 9/17 to Present

* Designed and instructed AREC 213 (Starting an Agriculture Horticulture Business)
* Design included all course materials, tests and lectures

**Research Assistant and Instructor**

Oregon State University Corvallis, Oregon 9/2014 to 1/2016

* Worked as a research assistant responsible for collecting data and statistical analysis utilizing Java, Python, R and Stata
* Performed data analysis and collection with PHP, JavaScript, MySQL and Apache web server
* Developed a REST API for user data (in JSON format) to be pulled from and added to a MySQL database
* Developed and taught College of Business courses at the undergraduate level

**Information Technology Coordinator**

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

* Helped maintain multiple OSU databases housing 60,000 student and 6,000 employer records
* Led technical aspects of database transition for the Career Development Center including security and making sure there was no data loss
* 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
* Helped manage and update OSU software from third party vendors
* Developed full stack projects utilizing (JavaScript, PHP, JQuery, CSS3, HTML5 and MySQL)
* Lead staff member in charge of accurate data collection from all financial transactions over the past 5 years and data from 22,500 student records and 965 employers

**Graduate Assistant**

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

* 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 was in use by over 30,000 students and 6,000 employers
* 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
* Helped interview, train and supervise a team of undergraduate workers including helping to run our student staff meetings and individual weekly meetings.

**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
* 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
* Nominated by Faculty and selected for ARCS Fellowship providing $6,000 per year in addition to GRA funding.
* Co-authored and was awarded research grant “Digitized Instrumentation Lab for Distance Students” for $8,220.

**Instructor: Radiation Biology and Radiation Physics**

Linn Benton Community College Albany, Oregon 9/08 to 09/10

* Designed all curriculum for and instructed courses which were required to meet 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