

## Matthew Williams

9654 Beaver Blvd. • Corvallis, Oregon 97333 • (503)453-4322 • <http://www.linkedin.com/in/mattwilliams>

### OBJECTIVE

To obtain the Electrical Engineering position utilizing my strong knowledge and experience in electronics, communications and power systems

### EDUCATION

**Oregon State University** Corvallis, Oregon  
*Bachelor of Science* in Electrical Engineering May 2014  
Minor: Mathematics  
GPA: 3.35

### EXPERIENCE

**Oregon State University - College of Engineering** Corvallis, Oregon  
*Student Systems Administrator* May 2010- Present

- Repair and maintain hardware and software programs for faculty of the College of Engineering
- Connect engineering computers to the College of Engineering network
- Rebuild and troubleshoot computers using tested and new parts

**Sunlight Energy** Portland, Oregon  
*Product Development Engineering Intern* June 2011– August 2011

- Managed prototype development projects from definition stages through production release
- Interfaced with diverse clients for design reviews and product development.
- Designed and created product designs and layout using 3D CAD Modeling Software
- Made product recommendations and specifications based on interpretation of analytical and test results

### ENGINEERING PROJECTS

**Wireless Power Transmission for a SmartRoom –Design Project** September 2011 – December 2011

- Designed and created a wireless power transmission system for the College of Engineering SmartRoom
- Successfully transmitted watts of electrical power to simultaneously power multiple devices
- Developed the parameters such as drive frequency, number of turns of resonant coil and type of wires used
- Implemented a power surface with a low frequency drive that is able to power multiple devices

**Contactless Electrical Interface: Power Project - Course Project** April 2011 – June 2011

- Designed a power converter project that delivered power to load without direct electrical contact.
- Established the goals and performance of the system

**Theme Park Track Controller: Feedback and Controls - Course Project** January 2011– March 2011

- Developed low cost automation design for controlling a car without physical barriers
- Ran computer simulations of various feedback techniques in order to improve accuracy
- Designed system to replace current mechanical alternative to make system more efficient

### HONORS AND LEADERSHIP

Member, IEEE, 2009-Present

Recipient, Electrical/Computer Engineer Annual Design Competition– 2<sup>nd</sup> Place Winner, 2011

Recipient, Union Pacific Annual Scholarship, 2010

### COMPUTER SKILLS

Assembly, C++, C, Java, VB.Net Programming, MATLAB, MPLAB (PIC Programming), OrCAD Layout, OrCAD PSpice, AutoCAD, and Microsoft Office Suite