Mitchell **Baertlein**

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SUMMARY

I am currently a second-year student at Oregon State University, studying Electrical and Computer Engineering. I grew up in Tillamook, OR, and graduated Validictorian of my class. I have some programming experience, excellent people skills, and experience working in industrial environments.

EXPERIENCE

October 2012 to August 2013 **Junior Electrical Apprentice**
Hampton Lumber and Affiliates - Tillamook, OR Division

- Worked under the on-site Journeymen (Electricians).

- Ran conduit for electrical devices, and installed outlets and lights.

- Worked with heavy and electrical machinery, such as forklifts, chop saws, and pipe benders.

- Learned how to work in an industrial environment, with time pressures and large, potentially dangerous machines.

- Helped install certain machines in the Sawmill, with a focus on PLC's (Progammable Logic Controllers).

- Worked on updating mechanical switches with non-moving devices (such as replacing limit switches with photo eyes).

June 2014 to September 2014 **Controls Engineer Summer Intern**
Hampton Lumber and Affiliates - Willamina, OR Division

- Worked under the lead Controls Engineer, alongside another intern, doing projects assigned by our lead.

- My main project was working with Computer Vision and Python, which would use ethernet cameras to monitor conveyor belts and unscramblers.

- Utilized Python sockets to create a communication network between Computers and HMI utilities.

- Terminated ethernet cables.

- Worked with Ignition (Human Machine Interface (HMI) software), and creating user interfaces for machine operators.

- Learned how to work with Electricians as an Engineer, instead of as an Electrician.

- Communicated with multiple companies in order to find the right parts, and to troubleshoot issues.

EDUCATION

September 2013 to Present **Undergraduate** - Electrical and Computer Engineering
Oregon State University - Corvallis, OR
Current GPA - 3.58
Current Year - Second

SKILLS

- Python
- C/C++
- LaTex
- Some SQL Querying
- Some HTML and CSS
- Comfortable working with Linux