

Andrew Pehrson

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Corvallis, Oregon
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EDUCATION

BS in Electrical and Computer Engineering, and Mathematics
Oregon State University, Corvallis, OR

Graduating 2022

EXPERIENCES

TekBots, Kelley Engineering Center, OSU

January 4 - present

- Build and sell lab kits, maintain the labs, knowledgeable of most ECE classes and assist students
- Work on team projects with thorough documentation for next years' group to continue project if needed
- Maintain and operate 3D printers and laser cutter

Electric Transportation Club, founder

Present

- Advocate for safe use and construction of personal electric transportation devices
- Established a multi purpose club for engineers and hobbyists
- Delegate and oversee club functions

Skills

Operating Systems:

Microsoft Windows 7,8,10 and many Linux distributions

Software:

- | | | | | | |
|--------------------------|---------------|------------------|-------------|-----------------|-------------|
| • Microsoft Office Suite | • Git | • Simplify3D | • Python | • Cura | • Blender |
| • C,C++, C# | • Fusion 360 | • Krita | • Java | • Quartus Prime | • ModelSim |
| • Putty | • Inventor | • Sli3er | • Html | • Kicad | • Photoshop |
| • Unity | • Solid Works | • System Verilog | • Meshmixer | • Arduino | • MobaXterm |
| • LaTeX | | | | | |

Projects

3D Printer

July 2018

- Designed 3D printer from scratch to incorporate salvaged parts
- Learned the fundamental parts to FDM, SLA, DLP, BJ, and SLS 3D Printers
- 3D modeled and printed custom parts to mount components

Electric Skateboard

July 2018

- Designed and sourced parts, following a variety of design limitations
- Learned about BMS's and BLDC motors
- Fabricated deck, motor mounts, and electronics housing

VR Graphing Calculator

February 2018

- Programmed in C#
- Concepts of parametric equations were used to graph 3D functions
- Able to utilize multiple dimensions using x,y,z-pos , time, scale, and color parameters.