

# Joshua S. Hess

Orlando, Florida

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## **Summary**

- More than two years of experience working in a rapid prototyping environment assisting/advising students and faculty with projects.
- Very skilled at real world out of the box problem solving in a hands-on engineering environment.
- A clear communicator; able to present complex technical ideas in many ways to best communicate with specific audience.
- Effective team working and leadership skills; can work with or lead a team to accomplish a given task effectively and efficiently.

## **Education**

- Bachelor of Electrical Engineering, Electrical Engineering Degree anticipated 2019  
University of Central Florida, Orlando, Florida  
Current GPA: 3.1

## **Work Experience**

- Eli2 Engineering Leadership & Innovation Institute at UCF (Two Years)
- Radical Engineering (One Year)
- Serpent Boards (One Year)

## **Other Skills**

- Fluent working with SolidWorks parts/assemblies and simulation packages.
- Basic G-Code understanding
- Familiar with CAM packages (Camworks, Mastercam)
- Proficient at creating 2D drawings in InkScape and CorelDraw (Vector Model Programs)
- Familiar with Electronics Equipment (Multimeter, Power Supply, Signal Generator, Oscilloscope)
- Familiar with KiCAD PCB design software and PCB design and assembly process.
- Lots of hands on experience with advanced electronics (Several projects involving high current power systems and advanced battery pack design)
- Experienced using prototyping tools (CNC, Vertical Mill, 3D Printer, Laser Cutter, Hand Tools)
- Very familiar with Windows based programs (Office, VMware, InkScape, Paint.net, etc)
- Familiar with configuring website/server settings (DNS, Port Forwarding, Apache, MySQL and related services)
- Confident working with/maintaining computer hardware (Desktops, Laptops, Servers)
- Very good at expanding upon/bringing ideas to life (Conceptualizing, Planning, Fabricating, Testing)
- Familiar with HTML, CSS, and some PHP