

April 5, 2018

UW Shop: System Integration Engineering Intern

Location: Laramie, WY

Summary

An opportunity exists for an engineering intern to design and build experimental apparatus for a wide range of disciplines across the UW campus. This hands-on position is equal parts system integration and mechanical design.

Who we are

The UW Shop, located in the College of Engineering and Applied Science, is the only research and academic support shop on the UW campus. We provide a wide variety of design and fabrication services to the UW community including students, staff, faculty, and associated entities.

Minimum requirements

- Be actively pursuing a Bachelor of Science in Mechanical Engineering
- Have completed electrical circuits and mechanics of materials courses
- Solidworks experience
- Programming experience

Preferred requirements

- Have completed courses in mechatronics, material selection, system dynamics, fluid mechanics, and technical writing.
- Understand analog to digital conversion, boolean logic, electrical noise, etc.

Duties

You will be expected to perform a wide range of tasks to meet our clients' needs, including

- Electrical wiring
- Mechanical design
- Generate detailed cost estimates
- Generate solid models, assemblies, and detailed fabrication drawings
- Generate system schematics
- Determine most expedient approach to automated research apparatus
- Repair laboratory equipment, including soldering
- Troubleshoot using tools such as oscilloscope and multimeter

Training

The systems integration intern will undergo mandatory training, including LabVIEW Core 1, 2, and 3, RT, and FPGA. He or she will be expected to gain Certified LabVIEW Associate Developer (CLAD) status by the end of the first year.

If interested in applying, send a letter-of-application and a resume to Mike Schilt; at schilt@uwyo.edu