

ENGINEERING INTERN/CO-OP

Title: Internship—Engineering & Design

Description: This position will provide valuable on-the-job engineering experience that is often required by employers and is a critical component to the start of a career in engineering. He or she will gain: industry expertise in a diverse environment, superior knowledge of software programs, and the ability to use engineering skills practically and effectively. The intern will have the opportunity to see an engineering process from start to finish, and receive training as required.

Responsibilities: The engineering intern is generally responsible for performing routine designs of complex engineering assignments using theoretical knowledge and practical design methods.

- Create assembly drawings to be shipped to customers.
- Scan and issue welding and fabrication drawings to the shop floor.
- Create proposal and approval drawings for customers using SolidWorks and AutoCAD.
- Manage Spanco's part database using an ERP program called Made2Manage.
- Develop new 3D model parts to be manufactured and sold.
- Create isometric drawing views and fix errors in SolidWorks.
- Create Bill of Materials (BOMs) for parts in Made2Manage.
- Assist engineers in resolving routine layout and detailing problems.

Qualifications & Skills: The ideal candidate will have prior knowledge and related experience; he or she will be hardworking, innovative, and passionate.

- Current enrollment in a Penn State BS in Engineering program for one of the following degrees: Mechanical Engineering, Electro-Mechanical Engineering, Civil Engineering, Architectural Engineering, Nuclear Engineering, or Aerospace Engineering
- Familiarity with design standards and codes
- Coursework in Statics/Dynamics and Mechanics of Materials
- Team player with excellent written and verbal communication skills
- Working knowledge of AutoCAD and SolidWorks software
- The ability to drive or provide his or her own form of transportation

How to Apply: Applicants should bring a resume to the Spanco booth at the Penn State Fall Career Days.

Applicants should only apply if they can work both the 2024 Spring and Summer semesters or the 2024 Fall semester. (Resumes WILL NOT be accepted for the Summer Semester only).

