Intern- Mechanical Engineering

Morpho Detection • Andover, MA
Est. Salary $36k-$49k
1 days ago

Description:

Our Technology team is seeking a Mechanical Engineering Intern to aid our Mechanical Engineers in the development of state-of-the-art chemical and trace detection products. The engineering intern will be an active and contributing member of a world-class design team based in Andover, MA. The engineer will aid in the design and testing of detection products, including machined/molded parts and assemblies, and create detailed design and assembly drawings in a fast paced, interactive, cross-functional team environment.

Primary Responsibilities

- Support the mechanical design of structural products and parts using machining, injection molding and sheet metal forming
- Learn how to prototype, assemble, test and analyze new designs
- Learn how to provide sustaining engineering support for released products, including changes for improved manufacturability, reduced cost, increased reliability, and/or improved performance
- Assist in the preparation and incorporation of ECO's
- Learn how to provide regular status and test reports, written and/or verbal, to cross-functional project team members

Desired Characteristics

- Proficiency in Microsoft Office (Word, Excel, PowerPoint, and Outlook)
- Strong hands-on prototyping and debugging skills
- Sheet metal and molded part design experience
- Ability to drive program deliverables and identify/ resolve technical or program issues
- Team player with strong facilitation/ interpersonal skills and a demonstrated commitment to continuous process improvement
- Strong design skills and experience using 3D solid modeling software including SolidWorks structural, flow, and thermal analysis tools
Requirements

- Enrollment in a recognized community college, college, or university
- Undergraduate applicants must be pursuing a Bachelor’s degree in Mechanical Engineering
- Must have completed a minimum of 2 years of undergraduate study
- Experience using SolidWorks 3D solid modeling software
- Machined part and electrical enclosure design
- Manufacturing and/or test fixture design
- Effective communication skills, both written and verbal, to communicate with scientists, electrical and mechanical engineers, suppliers, production, and manufacturing engineers

Additional Requirements

- For U.S. internship opportunities, Morpho Detection hires U.S. citizens and those who are legally authorized to work in the U.S., including permanent residents, asylumees, refugees, and certain temporary residents. Morpho Detection will require proof of work authorization. In addition, any offer of employment is conditioned upon the successful completion of a background check and drug screen.