



MECHANICAL ENGINEERING INTERN

Pile Dynamics, Inc. (PDI) is the largest manufacturer of foundation dynamic testing equipment in the world. The firm was founded in 1972 following pioneering research at Case Western Reserve University on the theory of dynamic pile testing (now known as the Case Method) and the invention of the Pile Driving Analyzer® (PDA) system for performing those tests. PDI has a team of civil engineers, electronic engineers and software developers who continue to improve and expand its product line and capabilities; it also offers educational programs on deep foundation testing and analysis. The company has a wide network of sales representatives spread from the Far East to Europe to South America resulting in the use of PDI products in over 100 countries throughout the world.

Location

- PDI maintains its corporate headquarters in Cleveland (Solon), OH.

Outlook

- The pile testing industry is a specialized field in which Pile Dynamics is the industry leader in terms of knowledge, skill, innovation and size due to its unique history and connection to some of the founders of modern dynamic testing. Since the 1970s this testing sector has been growing consistently and PDI with it.
- PDI is dedicated to pursuing excellence in quality assurance methods by providing quality products with quality service for the deep foundation industry. PDI understands itself as developing the next frontiers in deep foundation testing technology and practice.
- PDI maintains a small firm attitude despite the fact that it has global sales. This allows for a collegial and positive atmosphere despite the challenges of its cutting-edge technology and work schedule

General Summary

The Mechanical Engineering Intern is responsible for updating production documentation, creating new assembly documentation, and working with the engineering staff on specific design projects.

Job Responsibilities

- Drawing new and modifying existing components, cable assemblies, and sub-assemblies in SolidWorks.
- Using guidelines from the engineering staff to design and/or improve assemblies and accessories for PDI's product line.
- Working with measuring devices (calipers, rulers, etc.) to properly document the assembly process.
- Working with the Electrical Engineers, Production Managers, and Assembly Technicians to create a set of instructions for each drawing.

Experience

- Must possess knowledge of the SolidWorks software, have good mechanical, and basic computer skills.
- Currently enrolled and obtaining a Bachelor of Science degree in Mechanical Engineering.



Quality Assurance for Deep Foundations

Physical Requirements

- Manual dexterity to operate office equipment. Requires extended periods of standing, walking and sitting.
- Normal or corrected vision and hearing to normal range.
- Light Work - Exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently, and/or a negligible amount of force constantly (Constantly: activity or condition exists 2/3 or more of the time) to move objects.

EEO Statement

- Pile Dynamics, Inc. is an Equal Employment Opportunity company. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, or national origin.

Diversity, Inclusion and Connectedness Statement

- Pile Dynamics' commitment to diversity and inclusion are an integral part of our company values. We believe that attracting, developing, and retaining employees that reflects the diversity of our customers is essential to our success. PDI's inclusive culture is the result of our commitments, our collaboration, and our inspiration to grow.

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities and duties. This position reports directly to the President of Pile Dynamics, Inc.