



Mechanical Drafter II

About Uni-Systems Engineering

Uni-Systems Engineering is a premier provider of custom mechanization for iconic structures and attractions that create unforgettable experiences. We partner with engineers, architects, and construction managers to mitigate risk and deliver functionally integrated, reliable structures. Our team of mechanical, structural, and electrical engineers deliver custom, project-specific solutions to complex and unprecedented engineering challenges. With expertise spanning industries such as Aerospace, Amusement and Entertainment, Stadiums and Ballparks, Telescope Observatories, and Custom Cranes, we bring engineering excellence to every project.

Visit our website (www.uni-engineer.com) to learn more.

Job Summary

We are seeking a resourceful, detail-oriented Mechanical Drafter II. You will make an immediate, lasting impact, and see your work in projects including stadium mechanization, aerospace support systems, high-capacity custom cranes, and custom rides for leading international theme parks. You will work collaboratively with a team of engineers, designers, and drafters, and contribute a broad range of individual components, assemblies, and full system designs. This is an excellent career opportunity if you enjoy ongoing learning and constant new challenges that come with highly customized design work.

- Create part drawings and detail for fabrication including applicable tolerances and notes.
- Create assembly drawings and build the bill of materials.
- Work effectively from sketched details received from a Designer or Engineer and drawing markups.
- Create part and assembly models in 3-D using SolidWorks design software.
- Review drawings for accuracy and tolerance.
- Implement revisions to print drawings.
- Periodic shop assembly.
- 5% travel
- In-person at Plymouth, MN office

Job Requirements

- Must be a U.S. citizen or a U.S. permanent resident (current Green Card holder).
- Minimum two-year degree in Computer Aided Drafting or related Computer Aided Drafting Training
- 2-4 years of experience - compensation will be commensurate with experience.
- Experience with 3D modeling software. SolidWorks experience preferred and AutoCAD experience a plus.
- SolidWorks certification a plus (CSWE, CSWP, CSWA, CSWPA-DT, -WD, -SM are all relevant).
- Knowledge of fabrication techniques and machine shop experience beneficial.

Building Moving Experiences



- GD&T experience beneficial.
- Knowledge of the practical application of engineering science and technology beneficial. This includes applying principles, techniques, procedures and equipment to the design and production of company's projects.
- Knowledge of raw materials, fabrication processes, quality control, and other techniques for maximizing the effective manufacture of machinery.
- Must be able to work efficiently on a multidisciplinary team.
- Demonstrated technical abilities within 3D CAD modeling and drafting.
- Self-directed and results-oriented; proven ability to organize, plan and prioritize work to meet deadlines.
- Demonstrates effective communication skills.

Benefits of Employment

- Competitive salary and growth opportunities.
- Comprehensive benefits package including medical, dental, vision, life, and disability insurance.
- 401(k) plan with above-market company matching.
- Generous Paid Time Off (PTO) and Paid Company Holidays.
- HSA and FSA options.
- A collaborative culture built on integrity, respect, innovation, value, and enterprise.

If you are passionate about solving complex engineering challenges and shaping innovative solutions, we encourage you to apply for this exciting opportunity at Uni-Systems Engineering!