

9876 Pemberly Road, Chesterfield, MO 11111

E: fwdarcy@anymail.com P: 555-147-2589

Professional Summary

Dedicated mechanical engineer with more than 12 years of experience in project management, design, development, and quality assurance. Expert in CAD operation, and skilled producer of documentation and drawings associated with mechanical engineering. Recognized for a keen ability to improve design components, increase product and manufacturing efficiency, and decrease the constant need for re-engineering.

Skills

- -Software technical proficiencies include AutoCAD, Mathcad, Autodesk, LabVIEW, Rhino, Mathematica, MATLAB, MS Projects, and MS Office Suite. -Research and design proficiencies include Finite Element Analysis, Project/Quantification Planning, ISO & Safety Compliance, Statistical/Process Analysis, On-and Off-line Test Development, Manufacturing specifications, and Design & Validation. -Active listening and critical thinking skills for determining clients' needs and implementing plans to make them a reality. -Excels in teamwork environments where engineers come together to gather information, problem solve, and implement a strategy. -Affinity for identifying the underlying principles affecting situations, which leads to less time brainstorming and more time actively building workable solutions.

Work Experience

Mechanical Engineer

May 2012 – present

- Actively engage in and oversee all phases of product development, including conceptualization, creating models, developing designs, creating prototypes, performing tests, and producing the new product.
- Expert in applied research, simulation, new content development, and validation.
- Leads team with strong communication and presentation skills and the ability to coordinate with staff, management, and vendors to achieve maximum results.
- Collaborate with engineers and developers to create and operationalize cutting-edge alternative power plant concepts with automotive applications.
- Develop additional tooling techniques and concepts to increase production effectiveness.

Associate Mechanical Engineer

July 2008 – May 2012

- Acted as technical support during the preparation and coordination of design used in industrial projects.
- Completed and distributed documentation records with status reports, material requirement calculations, punch lists, and hydraulic calculations. All information shared with appropriate team members and supervisors.

- Excelled in identifying stress points during stress analysis of piping systems, and worked with designers to choose appropriate support locations and supports.

Junior Mechanical Engineer

January 2005 – July 2008

- Collaborated with other mechanical engineers and industrial designers to create and test product prototypes.
- Developed drawing packages for assembly following fabrication.
- Designed and modeled functions using pre-defined parameters and specifications on specialty machines.

Education

Master of Science in Mechanical Engineering

May 2008

Brigham Young University

Provo UT

Bachelor of Science in Mechanical Engineering

December 2004

University of Nevada Las Vegas

Las Vegas NV

Hobbies and Interests

My free time is occupied largely with reading classic literature and biographies. When my nose isn't in a book or in the shop at work, I can usually be found curled on the couch watching some of my favorite television programs with my wife. I also enjoy gardening and permaculture, golf, and board games.