Our growing company is looking to fill the role of designer engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for designer engineer

- Create and complete designs as assigned in 2D and 3D
- Create/assist with product structures
- Assist senior designers and engineers by providing layouts, sketches, calculations and tolerance
- Utilize thorough understanding of FPGA design process including requirements generation, preliminary design, peer reviews, detailed design, test plan generation, and integration and test
- Understand the requirements and architect of HW/FW/SW protocol and subsystem communication bus protocol
- Solid understanding with fixed-point digital math functions, linear algebra, basic geometry, floating point data structures
- High level knowledge of an image or video compression technique
- Two dimensional convolution and image processing filters
- Commercial digital or analog video buses DVI, VGA, NTSC, Displayport, etc
- Utilize solid understanding of basic digital logic design concepts (understanding how VHDL code translates into logic primitives within an FPGA)

Qualifications for designer engineer

- Effective and clear verbal communication skills to all levels of individuals within the organization
- Contributory design efforts within a design team through project

- Ability to professionally articulate to others - clear objectives, define issues, address schedules, and speak to the design parameters, and relationships of the Electrical work to others
- Possess a high level of communication and leadership skills that demonstrate support of a professional design team
- Professional Registration in the state of Arizona is desirable but not required
- Engineer in Training (EIT) is desirable but not required