Our company is hiring for a principal hardware engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for principal hardware engineer

- Define architecture requirements deriving specifications from architecture requirements
- Use structured problem-solving techniques to lead issue resolution on a variety of subjects, component, validation, manufacturing, and customer issues
- Compiles laboratory test data and perform appropriate analysis
- Hardware technical leader for VMDS programs
- Lead all VMDS HW issues with production and Repair and Overhaul shops
- Develop hardware for new products as well find creative solutions for issues that arise in in the factory and fielded products
- Translate hardware performance parameters into requirements
- Guide detailed design, analysis and performance modeling of digital circuits and subsystems
- Guide Test Engineers in the specification of Requirements Based Tests, diagnosis of test failures and corrective action
- Participate in design to cost / value engineering redesign activities

Qualifications for principal hardware engineer

- Knowledge of simulation tools (Hyperlynx) and measurement techniques for DDR

- Masters + 7 years of related experience, OR
- PhD + 5 years of related experience
- Must have excellent English communication skills, both written and verbal as reports and specifications will be in English and there will be extensive international video conference collaboration with the US San Jose team
- Technical expertise in FPGA design for either Altera or Xilinx products is required