Our company is searching for experienced candidates for the position of staff firmware engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for staff firmware engineer

- We are looking for outstanding embedded firmware developers who are up to the challenge of developing new touch and display features for best in class smart phones
- Responsible for firmware/software design, development, and testing of deeply embedded microcontroller (M0 core) based system level projects
- Primary focus is wireless charging products and similar computing/industry products that have small memory sizes and must deliver real time signal processing from microcontrollers with limited calculating power
- Work also requires development of PC based GUIs to support product development and customer evaluations
- Also, provide technical support and expertise to IDT field engineers and customers
- Understand firmware module design and implement the code and do unit test
- Develop and execute verification test cases, and collect debug data
- Debug and resolve defects reported from internal and external teams
- Responsible for the development and implementation of firmware for our Ion Chromatography Instruments
- Should have Worked on systemC model development for minimum of 3 years

Qualifications for staff firmware engineer

- More than 8 years working experience in embedded software development

- Have experiences of cross-platform architecture design is a plus, cross MCU, cross OS
- Having experiences of OSI based network protocol or architecture design is a plus, layer definitions (MAC, NWK,), service primitives, network management
- Having experiences of hardware design is a plus
- Having experiences of lighting products design is a plus