

## DSP Engineer

### Company Overview

G3 Technologies, Inc. (G3T) is a technology-based company that develops innovative wireless products and solutions. G3T is looking for motivated individuals who thrive in a dynamic work culture. We offer a fast paced work environment with several office locations, competitive salary and benefits, 401K matching, and generous profit sharing plan.

G3T maintains significant expertise in RF Communications, Telecommunications, as well as System Hardware and Software engineering allowing it to provide unique solutions to our customer's leading edge problems. Our products range from hand held to room size solutions with rapid development profiles that address real world problems.

### Job Description

- Participate in all aspects of product design from concept through system design, component design (hardware & software), component testing, system testing and successful production
- Design and coordinate complex Systems that include custom hardware, custom software, 3<sup>rd</sup> party hardware & 3<sup>rd</sup> party software that interact extensively with one another
- System modeling and prototyping using tools such as MATLAB, python or other rapid prototyping SW sets
- Develop and document system requirements, designs as well as Test Plans
- Develop and document Interface protocols between G3T development elements and 3<sup>rd</sup> party or customer elements
- Assist in the integration and system level testing of all parts of a system until it is working smoothly

### Job Qualifications

- BS or higher degree in Electrical Engineering
- Project Leadership Experience
- Three or more years experience in one or more of the following disciplines:
  - Digital signal processing of RF wideband signals
  - Digital signal processing of channelized signals
  - Telecommunication signal modulation and demodulation (GSM, UMTS, WCDMA, etc.)
  - Telecommunication Layer 3 Message processing
  - Real Time Embedded systems development
  - Linux-based embedded processing
  - Object oriented programming concepts & languages