



# Zomega Terahertz Corporation

2121 Sixth Ave, Troy, NY 12180

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## **Job Posting: Ultrafast System Engineer (R&D)**

Zomega Terahertz Corporation, a leading developer of terahertz instrumentation for science and industry, is looking for a talented engineer or scientist for R&D projects, with a good potential to grow with the company. The successful candidate will work with engineering and program managers, with in-house engineering teams, and with current and potential customers to develop prototypes, and products. He/she will be involved in the development of high tech / high precision electro-optic products for public and private sector programs. This engineer will work on projects from inception to completion, playing a primary role in the development of designs as well as products to meet customer needs and specifications. This engineer will be primarily responsible to work closely with program management, suppliers and customers to:

- a. Design, analyze, and develop specifications, tests, prototypes and end-user products.
- b. Define, analyze, and ultimately develop system performance specifications and operational requirements.
- c. Ensure performance, interface requirements, and operational requirements are met.
- d. Develop new technology and product ideas.
- e. Develop proposals and new market ideas.

The candidate should be adept at learning new fields and techniques and be a strong team player as a subsystem designer and builder.

### **Requirements:**

- MSc in Engineering, Physics or related optical field
- At least 2 years experience working with ultrafast phenomena and/or terahertz technology
- Strong hands-on experience in 3D modeling tools (AutoCad, ProE, Solidworks, etc)
- Strong hands-on experience designing, building and testing ultrafast optical systems
- Experience with instrument control software such as Labview required
- Knowledge of Zemax a strong plus
- Strong willingness to self-learn new technologies under development
- Experience with amplified laser systems a plus

Zomega Terahertz Corporation is an Equal Opportunity Employer.

Send a cover letter and resumes via e-mail to [HR@z-thz.com](mailto:HR@z-thz.com) or by mail to:

Zomega Terahertz Corporation  
Attn: Thomas Tongue  
2121 Sixth Ave  
Troy, NY 12180

### **About Zomega Terahertz Corporation**

Zomega Terahertz Corporation is focused on developing and deploying Terahertz-based technology solutions for both the public and private sector. We produce both pre-designed and custom systems for

Time Domain Spectroscopy (TDS) and CW applications in both point measurement and imaging modalities, including the world's first handheld THz spectrometer: the mini-Z 1000. In addition, we have strong collaboration ties with the Center for Terahertz Research at Rensselaer Polytechnic Institute, including development projects to commercialize an air-photonics based system that will span the entire THz gap.

For more information on Zomega, please visit our website at <http://www.z-thz.com/>