



Staff Optical System Engineer

Location: San Diego CA, United States

Company Description

RAM Photonics has its headquarters in San Diego CA, with facilities in San Diego CA and Rochester NY. The company portfolio includes specialty optical and optoelectronic systems for defense, commercial, and industrial applications, including advanced signal processing, high-power lasers, and instrumentation systems. RAM Photonics seeks capable, creative, and driven contributors skilled at communicating and performing within a technical team composed of leading photonics, electronics, and software engineers.

Job Description

The Optical Engineer will be responsible for product development and commercialization of a new class of hybrid electrical/optical processing technology for advanced microwave/photonics systems. The candidate is expected to contribute to overall system specifications, design, development, and debugging. Device-level expertise will be required. The candidate will interact with mechanical engineering, hardware, and software design teams to assist in overall development of the optical systems.

Experience Requirements:

- Minimum 4 years of experience in optics and photonics, or 2 years with a related MSc degree, or recent PhD graduate in electrical engineering or physics with photonics major.
- Solid theoretical understanding of optical science in general.
- Experience with telecommunication band electro/optical components such as modulators, detectors, coherent receivers.
- Knowledge on fiber based passive optical components such as filters, isolators, circulators, hybrids, etc.
- Experience with medium-power booster EDFAs and active fibers in general.
- Hands-on experience with fiber optics in general, including fiber splicing.
- Familiarity with nonlinear optics, parametric process, optical frequency combs.
- Knowledge of microwave and RF components.
- Good signal processing background. MATLAB or Python expertise are preferred.
- Hands-on experience with high-speed electrical/optical test equipment.
- Knowledge of basic electronic circuitry.
- Skills to handle fast pace and dynamic product development environment.
- Strong team player with good interpersonal skills as well as excellent written/verbal communication skills.

Qualified applicants should submit resumes with a cover letter using the link below:

<http://completepayroll.evolutionadvancedhr.com/JobApplication.aspx?jobpostingkey=c4830fdc-d5c5-4ff7-934b-884b6e786491>