

# Field Application Engineer

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Vescent Photonics is searching for an early career Field Application Engineer. The successful candidate will lead in quantifying the performance of Vescent products in various use case scenarios. This is a customer advocate position in which the FAE, as a product expert, will answer how-to and what-if questions from internal and external customers. The FAE will also assist Production by applying their product knowledge and trouble-shootings skills.

Vescent is a leading designer and manufacturer of precision lasers, frequency combs, and control electronics for use in atom cooling, quantum sensing, and other optical physics applications. Located in Golden, CO, Vescent presents an excellent opportunity for career growth in the optical sciences industry as well as access to urban culture and outdoor recreation. Close to the University of Colorado, Denver, Boulder, and the Rocky Mountains, a career at Vescent is a highly desirable employment opportunity. Benefits include PTO, health/dental insurance, and participation in the company 401k and phantom stock plans.

## Duties:

- Become thoroughly familiar with all usage aspects of all Vescent products
  - Overall product functionality & purpose
  - Options and settings
- Set up use configurations of products to determine
  - Efficacy of configuration
  - Performance in given configuration
- Write internal and customer-facing reports (application notes) and/or produce short videos summarizing results of above experiments
- Be the Customer's voice
  - Advocate for customer requests for use-case data and product modifications
  - Promote enhancements and fixes to products.
- Be "customer zero" for new products being transferred from R&D to Production
  - Test all aspects of product performance
  - Find & report product foibles, defects, and non-conforming behaviors.
  - Conduct product software testing and integration.
- Assist Production with
  - Qualifying/testing engineering change orders
  - Troubleshooting failed product units

## Required Qualifications:

- Bachelor's degree or above in Physics, Engineering Physics, Electrical Engineering, or Physical or Analytical Chemistry
  - Emphasis in optics/lasers/spectroscopy
- >2 years of hands-on experience in optics/lasers/spectroscopy in commercial setting

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- Experience making measurements with electronics test equipment (e.g. oscilloscopes, multimeters, spectrum analyzers, network analyzers, frequency counters)
- Electronics background, including troubleshooting and board reworking.
- Self-starter, life-long learner
- Ability to design, build, and operate laser-based experiments
- Experience with programming and testing software
  - Emphasis on Python and C.
- Excellent scientific writing and communication skills: Ability to collect, collate, analyze, and present data in written and oral format
- US citizen or permanent resident

### **Desirable Additional Skills:**

- Experience in photonics relevant to atomic, molecular, and optical physics (AMOP), quantum sensing, frequency combs
- Further programming abilities
  - Web-based skills in HTML and Magento
- Photography and/or videography

Please send your resume and a cover letter to [jobs@vescent.com](mailto:jobs@vescent.com). Your cover letter should express how your skills, qualifications, and interests address the job description. Applications without a resume and cover letter will not be considered. Vescent Photonics is an equal opportunity employer.