

MarqMetrix is a renowned leader in the field of Raman spectroscopy and is developing state-of-the-art optical measurement systems. Our goal is to make Raman spectroscopy an accessible tool with broad applications. MarqMetrix products and solutions—widely deployed across multiple industries from food to pharmaceutical—allow companies to make faster, more informed decisions. The company's core areas of focus include:

- Design and development of optical sensors
- Deployment of optical measurement systems for process understanding and optimization
- Development of data analysis and cloud based systems for real-time monitoring and control

Founded in 2012, MarqMetrix is located in Seattle on North Lake Union. Our 5,500 square feet of state-of-the-art space showcases optical measurement development, testing and manufacturing.

MarqMetrix seeks a highly talented and motivated Laser-Induced Breakdown Spectroscopy (LIBS)/Raman Specialist. Qualified candidates must have documented research credentials that directly address the innovative uses of Laser Spectroscopy, preferably for purposes of chemical sensing/chemical detection.

Successful candidates will have:

- Planned, designed and conducted targeted LIBS/Raman/UV/Vis/IR laser spectroscopy experimentation;
- Technical understanding of laser optics, optical systems and/or telescopes;
- Analyzed results and reduced data;
- Prepared and published scientific reports and presentations; and
- Identified opportunities and contributed to the development of innovative approaches in detection technology.

Responsibilities:

- The incumbent will:
 - Design, develop, and conduct laboratory experimentation using optical spectroscopy (particularly LIBS, Raman and LIBS/Raman hybrid).
 - Apply data reduction/analysis techniques, particularly as applied to LIBS, Raman, LIBS/Raman or similar optical spectroscopy methods.
 - Operate and maintain UV/Vis/IR lasers and/or spectroscopy equipment.
 - Prepare and handle chemical samples.
 - Support field tests and installations at customer facilities.
 - Provide programming support for a Matlab environment.

Minimum Qualifications:

- BS in Chemistry or related field. Candidates with MS or PhD also highly encouraged to apply.
- 2 Year minimum academic or industry experience with Laser Induced Breakdown Spectroscopy (LIBS) and Raman Spectroscopy.
- Must be US citizen.
- Must be willing to travel (approximately 15%).
- Ability to work independently and as part of a team.

Desired Qualifications:

- MS or PhD in Chemistry or similar field.
- Experience with LIBS/Raman hybrid design, testing and analysis.
- Experience managing contracts awarded under federal or state government programs
- Experience with multivariate data analysis techniques (chemometrics, PLS, PCA, machine learning, etc)
- Experience in optical design, optical engineering or optical systems knowledge
- Electrical, mechanical and/or software engineering knowledge, skills and experience.

Condition of Employment:

- A satisfactory outcome from criminal background verification will be required prior to hire.

As a MarqMetrix employee, you will enjoy an exciting work environment and competitive benefits.

Please send application materials to Careers@MarqMetrix.com.