



Product Development Engineer at Picoyune

Company Description:

Picoyune is developing plasmonic sensors for industrial and environmental applications. Our technology uses the unique optical properties of metal nanoparticle films to measure trace chemicals in a wide range of media. Our first products target mercury in process and environmental samples.

Picoyune is a new company spun out of research at UC Berkeley. We have done extensive customer discovery to hone our product, and have won several awards for our technology and business plan, including 1st place at UC Berkeley's Launch: Energy and Cleantech. We are located in west Berkeley and are still actively engaged with the Berkeley campus and Lawrence Berkeley National Lab. We have raised over \$2MM in funding (from NSF and NIH) and have a clear path to sustainable growth.

Job Description:

Picoyune is hiring an engineer to lead the design, assembly, and initial testing of a portable mercury analyzer. Your primary role would be translating a bench top system to a portable and reliable analyzer, but you would also be a major part of the company with an impact on all of our projects.

The portable mercury analyzer is a combination of a thermal-catalytic sample decomposition system and our plasmonic mercury detector. The funding comes from the Superfund Research Program to aid in the effort to characterize contaminated sites. There are a number of engineering challenges in realizing a field portable prototype that can analyze samples in the field under battery power including: mechanical packaging, thermal management, electrical systems, and design. You will be joining a team of talented mechanical, electrical, and computer engineers along with experienced environmental chemists who will support your work.

Qualifications:

The ideal candidate will have:

- A BS or MS in a relevant engineering discipline such as electrical or mechanical
- Experience bringing a product to market that integrates electrical, mechanical, optical, and/or thermal subsystems.
- Flexibility to work with a cross-discipline team
- Desire to work in an early stage startup environment
- Strong written and verbal communication skills
- Ability to participate in field trials, at third party facilities or outdoors

Contact Information:

This is a full-time position located at our facility at 950 Gilman St, Berkeley. Salary will be commensurate with experience. Please send resumes to jscrosby@picoyune.com.