



Support and Application Scientist

San Diego, CA
May-7-2020

We are seeking a **Support and Application Scientist** with expertise in computational materials science and first-principles methods and to join our dynamic and growing team in San Diego, CA!

What Your Job Will Be Like

Daily duties may include:

- Provide scientific support for customers and prospects in using the *MedeA*[®] software environment to solve their research and development problems
- Provide technical support for customers and prospects on installing and configuring the *MedeA*[®] software environment on their computing resources
- Participate in contract research activities and product development activities
- Prepare presentation and training materials and conduct on-line and on-site presentations and trainings for customers and prospects

Qualifications We Require

- PhD in physics, chemistry, materials science, chemical engineering, mechanical engineering, computer science/engineering, or related discipline with a focus in first principles methods
- A resourceful and creative person with excellent interpersonal skills and attention to details who thrives on helping others solve problems
- A record of publication of results in peer-reviewed journals and external presentations at scientific conferences

Qualifications We Desire

- Experience with the *MedeA*[®] software environment, or at least one of the following packages: VASP, LAMMPS, GIBBS, MOPAC, and Gaussian
- Experience with high-performance computing platforms, parallel computing (multi-core and many-core), and cluster management



- Experience with kinetic Monte Carlo, quantum Monte Carlo, machine learning, coarse-grained methods, or phase field methods is a plus
- Experience with software development and shell scripting
- Active in scientific forums and/or mailing lists

Position Information

This position is a full-time position based in the U.S. The place of work can be chosen by mutual agreement.

Legal authorization to work in the United States **required** (must be a U.S. lawful permanent resident or a U.S. citizen).

We offer competitive compensation and benefits including:

- 30 days of PTO per year
- Medical/Dental/Vision/401k

How to Apply

Please send your **cover letter** and **resume** in one pdf document to recruiting@materialsdesign.com with the subject of “Support and Application Scientist: your name”

About Materials Design, Inc

Materials Design, Inc. is the leading atomistic simulation software and services company for materials. We help customers across many diverse industries design new materials, predict their properties and generate value through innovation.

Materials Design’s MedeA[®] (Materials Exploration and Design Aalysis) is the leading environment for the atomistic simulation of materials. MedeA[®] enables professional, day-to-day deployment of atomic-scale and nano-scale computations for materials engineering, optimization, and discovery. In MedeA[®], world-class simulation engines are integrated with elaborate property prediction modules, experimental databases, structure builders and analysis tools, all in one user-friendly environment.

Materials Design, Inc. is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. We are based in San Diego, California, Paris, France, and Stockholm, Sweden, and we have team members all over the world.



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