**JOB ANNOUNCEMENT FOR FULL-TIME OR PART-TIME CHEMICAL, MECHANICAL OR ENERGY STUDENT ENGINEER**

**Applications will be accepted until the position is filled**.

About Gaia Energy Research Institute:  http: //www.[linkedin.com/company/gaiaenergy](http://linkedin.com/company/gaiaenergy)

About Owner: <http://www.linkedin.com/in/wgcgaia>

**Industry area:**Energy research and development

**Location:** Position can be fully remote. Headquarters based in Washington D.C. area, Alexandria, Virginia, 22304, near the intersection of I-395 and Duke Street.

**Candidate duties may include, but may not be limited to:**

* Learn about the engineering physics, economics, and/or environmental impacts of low-carbon energy technologies.
* Collaborate with supervisor to develop engineering computer models of key aspects of the physics, economics and/or environmental impacts of low-carbon energy technologies.
* Contribute to researching new low-carbon energy technology designs and/or configurations by reviewing the published literature and/or patent databases.
* Assist in developing computer models describing the physical embodiment of low-carbon energy technology.
* Help with preparing project files and reports, presentations for clients, and other communication documents for the client, as needed.

**Required Qualifications:**

* A strong, intrinsic, intellectual drive to learn more about the engineering design and operation of new, lower carbon energy technologies. These technologies may include, for example, renewable energy systems, electrochemical systems, and/or energy storage devices.
* Enrolled as a Chemical, Mechanical or Energy undergraduate student or having just graduated from an accredited Chemical, Mechanical or Energy engineering program.
* Completed at least one (1) undergraduate course in thermodynamics (i.e. the physics of energy).
* Proficiency with Microsoft software (Word, Excel, Power Point).
* 3.5 GPA or higher.
* U.S. citizenship is required.
* Attention to detail.

**Additional, Useful Qualifications:**

* Completed at least one (1) undergraduate course in economics
* Completed at least one (1) undergraduate course in material science
* Knowledge of the physics of energy generation and/or storage technologies. These technologies may include, for example, traditional power plants like combined cycle natural gas turbine power plants or electrochemical systems, such as fuel cells, electrolyzers, reversible fuel cells, electrochemical cells, and/or batteries.
* Taken Thermodynamic courses.
* Experience with Chemical engineering process plant modelling software, such as ChemCAD, Aspen Plus, Aspen Hysys or similar software.

**Preference may be given to applicants with:**

* Strong background in Mathematics.
* Strong verbal and written communication skills.

**Essential qualifications:**

* Experience with Microsoft Office (Word, Excel)

**Compensation**: $20/hr. - $60/hr. (pay is determined by experience and additional factors, including job-related skills, experience, and relevant education or training.)

**Organization Description**: Gaia Energy Research Institute is an agile small business growing very quickly and focused on energy research and development (R&D). In the past few years, company has helped win over $15.3 million in competitively-bid energy R&D projects.

**Equal Employment Opportunity:**Gaia Energy Research Institute is an Equal Employment Opportunity employer and promotes a diverse and inclusive workplace. We do not discriminate against any applicant for employment or employee on the basis of race, color, religious creed, gender, age, marital status, sexual orientation, national origin, disability, veteran status or any other classification protected by applicable discrimination laws.

**How To Apply**

Application deadline is April 30, 2024.

***To apply, please email your resume and college transcripts to both Dr. Colella at*** [***wgc@gaia-energy-research-institute.com***](mailto:wgc@gaia-energy-research-institute.com) ***and Mrs. Denise Bellamy at*** [***denise@gaia-energy-research-institute.com***](mailto:denise@gaia-energy-research-institute.com) ***in the same email.***

When emailing your documents please enter in the subject line your first name, last name and job title you are applying for. Example: "First Name, Last Name - Student Engineer Application"

***Please note that our application process requires the submission of a resume and college transcripts.***