Geothermal Production Analysis Engineer Intern

Calpine’s Geothermal Production Analysis group develops views of production trends for the world’s largest operating geothermal field, The Geysers in Northern California. Relying heavily on input from the broader Geysers operations team, the production analysis group builds models to project output from the existing field, analyze the impacts of long-term capital investment options, and optimize near-term production decisions.

Our internship provides opportunities to learn and apply engineering principles. The Reservoir Engineer intern will be primarily responsible for:

- Up scaling geologic models for dynamic geothermal fluid flow analysis using a numerical simulator
- Utilizing data-management systems to analyze production data and build reservoir models
- Creating and presenting final analysis to upper management

Essential Duties and Responsibilities will include some or all of the following:

The Reservoir Engineer Intern will provide assistance to the Geothermal Production Analysis team in analyzing production and injection data, developing data-management improvement recommendations, conducting reservoir and steam gathering system performance evaluations for optimum field development and building simulation models for field performance studies.

The above statements reflect the general details considered necessary to describe the essential functions of the job and are not to be construed as a detailed description of all the work requirements that may be inherent in the position.

Job Requirements:

- Candidate should have Junior standing or above working toward a Bachelor’s degree or higher in Petroleum, Chemical, Mechanical, Civil, Electrical Engineering and other engineering or earth-sciences degrees are considered. Qualified candidate must be a student during duration of internship.
- Analytical/technical skills with a practical approach to problem solving
- Familiar with data-management systems (e.g. MySQL, SQLite, Microsoft SQL server, Microsoft Access, etc)
- Familiar with GIS applications
- Familiar with geological and reservoir engineering applications (e.g. GOCAD/SKUA, Petrel, Eclipse, VIP, Tetrad, STAR, TOUGH2, etc)
- Experience in programming languages (e.g. Fortran, C/C++, Python, etc).
- Legally authorized to work in the United States
- Intern must hold a valid driver’s license, and have the ability to drive mountainous roads.
- A minimum of eight continuous weeks availability for internship, 10 to 12 weeks preferred.
- Current level in college: Junior, Senior, Graduate Student

Calpine is an Equal Opportunity/Affirmative Action Employer

To apply to this position, please go to: https://rn11.ultipro.com/CAL1005/jobboard/NewCandidateExt.aspx?__JobID=3223&__jsrc=