

Calpine Commercial Analytics Organization
Job Description: Geothermal Production Analysis Intern

Position Title

Geothermal Production Analysis Engineer Intern

Position Description

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 Production Engineer intern will be primarily responsible for:

- Applying geographical information systems techniques for updating production, steam gathering, and pipeline simulation models.
- 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 Production 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.

Required skills and experience

- 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.
- 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
- 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.

Calpine is an Equal Opportunity/Affirmative Action Employer

URL Link for students to apply:

https://rn11.ultipro.com/CAL1005/jobboard/NewCandidateExt.aspx?_JobID=1848&_jbsrc=