DAVIDS ENGINEERING, INC

POSITION ANNOUNCEMENT

POSITION AVAILABLE

- **Engineer/Data Scientist** in DE's Water Solution Area and based in either DE's Davis or Chico office. Position level will be determined based on experience and qualifications. DE will consider other work arrangements (e.g., remote work) on a case-by-case basis.

POSITION DESCRIPTION

- We are seeking exceptionally qualified and motivated candidates with experience in **water resources engineering, water systems modeling,** and **data science** to join our expanding team.

- Key responsibilities:

  - Strategic project planning, workflow development, technical analyses, and project/task management and delivery.

  - Synthesis of water systems-related data, engineering principles, and project-specific information into models, databases, reports, studies, specifications, and other technical deliverables.

  - Most working hours will be at a desk in front of a computer. Position may occasionally require travel, off-site field visits, and overnight stays.

Expectations for all DE team members:

- ✓ **Collaborative mentality**
- ✓ **Superior analytic and critical thinking skills**
- ✓ **Strong written and verbal communication skills**
- ✓ **Ability to self-motivate**
- ✓ **Strong work ethic**
- ✓ **Attention to detail**
- ✓ **Good moral, ethical, and engineering judgement**

DESIRED QUALIFICATIONS

- **General**

  - Undergraduate or graduate degree in engineering, data science, environmental sciences, or another related field.

  - 2-5 years of experience in water resources engineering, water systems modeling, and data science.

    - Pursuit of a graduate degree will be considered as years of experience.

  - Proficiency with Excel and other Microsoft Office Suite programs required. Proficiency with Python and/or SQL a plus.

  - Strong interpersonal skills and motivation to collaborate and proactively communicate with a diverse project team and colleagues in both in-person and virtual settings.

  - Strong written and verbal communication skills, especially relating engineering topics and analyses.

  - Experience with (or connection to) irrigated agriculture. Experience with irrigated agriculture in California a plus.

- **Water Resources Engineering**

  - Proficiency with water budget approaches, including understanding measurement principles and methods for typical flows in the surface water system (e.g., stream flows, diversions, precipitation, evapotranspiration)

  - Experience with water use efficiency and water conservation studies.

  - Experience with water management planning, such as Groundwater Sustainability Plans or Agricultural Water Management Plans.

- **Water Systems Modeling and Data Science**

  - Theory and practice of at least one of the following: finite element (e.g., DWR Integrated Water Flow Model (IWFM)), finite difference (e.g., MODFLOW), hydrodynamic (e.g., HEC-RAS), and rainfall-runoff (e.g., HEC-HMS) modeling.

  - Experience with data assembly, QA/QC, analysis, visualization, statistics, and reporting.

HOW TO APPLY

Please submit your **resume** and **cover letter** to **info@davidsengineering.com.** All inquiries will be handled with strict confidentiality. Visit **www.davidsengineering.com** for more information.

Water   **Infrastructure**   **Technology**