



POSITION ANNOUNCEMENT

Since 1993, Davids Engineering has provided professional engineering and scientific services to public agencies, private entities and individual landowners responsible for managing water resources in the western United States. From our initial focus on agricultural water management, we have gradually broadened our technical capabilities to include three tightly integrated groups focusing on Water, Infrastructure, and Technology, respectively. For more information on Davids Engineering, visit www.davidsengineering.com.

POSITION AVAILABLE - WATER RESOURCES ENGINEER/SCIENTIST

Davids Engineering (DE) is enthusiastically pursuing **exceptionally qualified and motivated candidates with extensive engineering and science experience in water resources, specifically related to: (1) performing water budgets for various spatial scales (e.g., ranch, water district, subbasin), (2) water resources modeling (e.g., rootzone processes), and (3) scoping, budgeting, managing, documenting, and delivering water resources planning efforts.** All DE team members are expected to have superior analytic and problem-solving skills; ability to express technically complex information clearly, both orally and in writing; ability to self-motivate; attention to detail; strong work ethic; and good moral, ethical, and engineering judgement. Familiarity with agricultural irrigation and production systems is a major plus.

DESIRED QUALIFICATIONS

General Qualifications:

- Experience with strategic project planning, workflow development, technical analyses, and project/task management and delivery.
- Prior work on synthesizing water systems-related data, engineering principles, and project-specific information into models, databases, reports, studies, specifications, and other technical deliverables.
- 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.
- 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.
- 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.
- 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.



Water



Infrastructure



Technology



POSITION ANNOUNCEMENT

HOW TO APPLY

Please submit your **cover letter** and **resume** to info@davidsengineering.com. All inquiries will be handled with strict confidentiality. Visit www.davidsengineering.com for more information. The anticipated pay range for this position is between \$35/hr and \$70/hr depending on qualifications.



Water



Infrastructure



Technology