The Tulare Irrigation District (TID) and Mid-Kaweah Groundwater Sustainability Agency (MKGSA) are offering an Engineering Internship opportunity from November 2021 to February 2022, with the possibility of an extension. The Engineering Intern will split their time between the two agencies to assist with a diverse range of water resources activities including: sustainable groundwater monitoring, surveying, reviewing draft construction plans, and assessing existing infrastructure that delivers surface water to 65,000 irrigated acres within the Tulare Irrigation District. This internship combines traditional agricultural engineering problems with cutting-edge monitoring programs to assess groundwater pumping for California’s Sustainable Groundwater Management Act (SGMA).

The ideal candidate will be a collaborative individual with strong technical capabilities and excellent communication skills, and is excited to tackle the challenges associated with initiating a program to monitor groundwater. This internship offers the unique opportunity to learn both the surface water and groundwater management tasks at both TID and the MKGSA. A highly successful candidate will have innovative ideas to assist with database development for implementation of a water allocation monitoring program in spring 2022.

Duties
- Preparing technical analyses related to water resources items, such as field-scale supply and demand reporting and proposals to fill necessary data gaps
- Assisting to construct a geospatial database linking surface water supplies (local and foreign), groundwater supplies, and irrigation efficiency to assessed acreage parcels
- Establish new elevations on existing benchmarks to monitor the degree and spatial variability of land subsidence, a critical element in SGMA
- Video-monitor wells and determine the suitability of the well as a long-term groundwater monitoring station (incorporation into the “representative monitoring network”)
- Develop methods to perform water quality sampling in wells for the TID to perform in-house
- Assisting with the technical aspects of the District’s responsibilities pertaining to its participation in the MKGSA, including implementing the MKGSA’s Groundwater Sustainability Plan and developing, maintaining, and implementing technical resources, such as databases
- Compliance monitoring activities for the Sustainable Groundwater Management Act (SGMA).
- Participating in the planning, design, and permitting of District capital improvements related to water resources
Required Qualifications
- Pursuing a degree in natural/physical sciences, engineering, agriculture, or related field
- Possession of a valid California Class C Driver’s license
- Experience with Microsoft Excel, Word, and Powerpoint
- Ability to work independently and perform surveys in remote locations
- Strong technical background for data collection, analysis, and reporting

Preferred (Not Required) Qualifications
- California Engineer-in-Training (EIT) permit
- Experience in GIS, CAD, or other geospatial software
- Experience surveying using Trimble GNSS equipment

Salary
- Compensation: Starting at $14.00/hr

Hours
- Flexible hours to accommodate applicants currently taking college courses

To apply
Qualified candidates please submit your cover letter and complete resume as soon as possible to midkaweah@gmail.com. Upon receipt of your complete resume and cover letter, we will contact those qualified candidates to proceed in the interview process.

Applications will be due by November 5, 2021 and candidates will be contacted for follow-up interviews.