



# Remote sensing and data processing engineer at Tule

Oakland · Full Time

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## Job Description

We use remote sensing for several applications, including radiation modeling and canopy monitoring. Remotely-sensed data is passed into our data processing pipeline, and combined with our ground-based energy flux sensor data, to produce features such crop water use (i.e, evapotranspiration) and crop stress measurements.

You will work on projects such as evaluating and improving models for measuring canopy size, surface reflectance, and solar radiation. You will also help engineer the data processing pipeline to process large amounts of image data continuously at scale.

To thrive in this role you will need to be proficient in remote sensing, crop modeling, micrometeorology, and image processing. You will also need the software engineering skills to translate your work into a production data processing pipeline. Of course, you will need to learn some of these skills at Tule, but relevant experience is required.

### Skills

Data Analysis, Big Data, Image Processing, GIS and Remote Sensing, Data Processing, Remote Sensing

### Compensation

\$100K – \$130K

0.1% – 1.0%

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Other Positions



## Senior Full Stack Developer

East Bay · Full Time · \$100K – \$130K · 0.5% – 1.5%

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## What We're Building

Tule has created a new sensor that is installed in the middle of an agriculture field to measure the total amount of water that evaporates from a 10 acre area. With this information, we provide optimal irrigation recommendations for farmers.

The primary benefits to the farmer are:

- Improving yield and quality through optimal irrigation recommendations
- Labor cost savings by replacing field visits with 24/7 remote monitoring of plant stress
- Alerts when plant stress exceeds targets
- Comparison of water use to other growers in region (wisdom of the crowd)

 Hiring in East Bay, Oakland

 1-10 Employees

 Seed in 2015

 Agriculture

 [tuletechnologies.com](http://tuletechnologies.com)

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