



Field Application Engineer

Working location: ~8 months Redwood City, CA; ~4 months in the Midwest (eg Iowa), 2 months in the spring, 2 months in the fall. Also open to the opposite, meaning you are based in Midwest but visit our California office ~1-2 months in the spring, ~1-2 months in the fall, and occasionally in between.

Full-time employment

About us

TerraBlaster is helping farmers reclaim the value they lose when applying nutrients with imperfect information: billions of dollars in fertilizer that never feeds a crop, missing nutrients that limit yields, and excess nutrients that can leach into waterways. We are the first to deploy technology developed by NASA for Mars to capture precise, real-time, actionable data about plant-available soil nutrients. Soil measurement and application in one pass. Every plant gets exactly what it needs. No extra steps. No wasted time. That's precisely how we build the future of agriculture.

The role

TerraBlaster is seeking a Field Applications Engineer to be the crucial link between our engineering lab and the real world. Do you love high-tech gear but hate being stuck at a desk all day? This role puts you on the front lines, deploying our laser spectroscopy sensors directly onto farms to measure soil nutrients. Your hands-on troubleshooting, user training, and field data collection will directly enable our mission to reduce fertilizer waste, helping farmers and the environment at the same time. Join a true Silicon Valley startup to make a difference in the world while getting your boots dirty and keeping the lasers clean.

What you will be doing

- Deploy, calibrate, test, and troubleshoot TerraBlaster prototype hardware in real farms in both the Midwest (Iowa, for example, but varies) and California
- Operate our hardware to build the datasets required by our data science team
- Act as the primary technical liaison for our early agricultural partners, providing training, gathering user feedback, and troubleshooting hardware/software issues on-site
- Work closely with the entire engineering team to report field failures, suggest design improvements, and help ruggedize the next generation of sensors

What we need to see

- BS in Engineering (Mechanical, Electrical, Ag-Tech), Agronomy, or a related technical field (or equivalent experience)
- Experience working in agricultural fields
- CDL (Commercial Driver's License) is not strictly required but willingness to get one is
- Strong mechanical and electrical troubleshooting skills; you should be comfortable with a multimeter, hand tools, and basic software interfaces
- Excitement and willingness to do whatever is needed in the moment, from running tests in the hot sun and mud, repairing a broken mount on the fly, and debugging software with our engineers
- Willingness to travel frequently to test sites and agricultural partner locations

**Ways to stand out from the crowd**

- Self-managing and ability to break down complex problems into manageable tasks
- Experience working in the following areas is a plus but not required: agriculture/farming operations, off-grid power systems, operating heavy machinery/tractors, and Python scripting for data logging

Compensation & Benefits

At TerraBlaster base pay is just one part of compensation. TerraBlaster employees also have the opportunity to become TerraBlaster shareholders by receiving incentive stock options. You will also receive benefits including comprehensive medical and dental coverage.

TerraBlaster is an equal opportunity employer and values diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, sex, gender, gender expression, sexual orientation, age, marital status, veteran status, or disability status.