



At TerraClear, we are developing a complete robotics control system that will enable farmers to automate rock picking in their fields. We are looking for creative and persistent engineers to join this effort to address this age-old problem and work on the future of farming. As the Robotics Engineer, you will gather detailed requirements, design, build and test both prototype and full production control systems. You will be writing production and test code in C++ and Python for robot perception, planning, and control. This position requires an ability to travel on a regular basis to TerraClear's office in Grangeville, ID to build and test prototype systems in the field.

Minimum Required Qualifications

- Graduate degree in ME/EE/CS or related fields
- 3+ years' experience designing and implementing full-stack robotics systems, preferably in a commercial environment
- Deep knowledge of standard robotics techniques – including perception and estimation techniques for SLAM, navigation and planning
- Experience with a wide range of sensing and actuation hardware
- Strong knowledge of ROS and Gazebo
- Proficient with Python and C++, as well as agile software development practices and unit and integration testing frameworks
- Strong written and verbal communication and presentation skills

Desired Qualifications

- Familiarity with linear and non-linear control theory
- Recent experience with full stack design and development applied to manipulation and mobile robot platforms
- Computer vision experience, including familiarity with OpenCV
- Understanding of communications protocols/standards such as CANBUS, UDP

About Us

On many farms around the world, stones rise to the surface of fields every year because of equipment and frost heave and are a nuisance to farmers. Applying AI and robotics to this age-old problem is the first step in TerraClear's vision to automate agricultural solutions for farmers.

- \$13.1M raised in seed funding. The company is on strong financial footing from the founding team and Madrona Venture Group.
- Founded in December 2017 – team previously founded and took public two software companies (Smartsheet and Onyx)
- 22-person team who all share a fundamental desire to help farmers, to succeed as part of a team, to learn, to do business the right way, and to own very hard problems from inception to delivery.
- Headquarters in Bellevue, WA - testing facility in Grangeville, ID