

TerraClear applies artificial intelligence, robotics, and world class mechanical design to solve the hardest problems in agriculture today. Our first stop is automating rock removal, a labor-intensive challenge on farms across the world that has evaded a good solution up to now. We are a close group who believe in the power of collaboration and teamwork, the value of getting our hands dirty and learning from the farmers we serve.

We want extraordinary people who are hungry to learn, who believe that integrity matters, and who want to improve the lives of farmers. Positive attitudes and enthusiasm are a must.

We are looking for a CV / AI Engineer on the Computer Vision / AI team to build the core technology behind TerraClear rock mapping and autonomous rock picking solutions, such as rock detection and autonomous platform navigation. Your success will allow the company to ship the first autonomous rock picking implement on the market.

In this role, you will:

- Read and analyze the scientific publications related to automated map generation
- Run experiments, document results and present recommendations to management
- Maintain the experiments code base and assure its readability
- Implement PoC solutions and test them “in field”
- Assist in translating PoC code into production-quality code

What we’re looking for:

- Required
 - 3+ years of experience in computer vision and deep learning
 - Strong Python coding skills
 - Strong knowledge of OpenCV and PyTorch
 - Experience with Visual Odometry, SLAM, Structure from Motion
 - Experience with AI-based CV solutions (e.g. FlowNet, SuperPoints, SuperGlue, COTR, DeepFactors, NetVLAD)
 - Basic knowledge of linear algebra and optimization
 - Desire to develop as an AI professional
- Desired
 - 5+ years of experience in computer vision and deep learning
 - CI/CD (git)
 - Good C++ skills
 - TensorFlow; any of the following is a plus: MXNet, Caffe, JAX
 - Experience in AI model training or fine-tuning
 - TensorRT

If you’re excited about TerraClear and fit the above qualifications, please send your resume to careers@terraclear.com.

TerraClear is an Equal Opportunity Employer committed to fostering an inclusive culture with extraordinary employees. We provide employment opportunities without regard to any legally protected status. If there are preparations we can make to help ensure you have a comfortable and positive interview experience, please let us know.