

Senior Autonomy Engineer, Planning & Controls

BOVI.AG is on a mission to help orchard growers face an ever-worsening labor crisis. Every corner of an orchard needs to be attended to at least once a week. This is so labor intensive that upwards of 70% of farmers are unable to find the labor they need.

BOVI.AG's bolt-on kit adds autonomy to existing tractors, facilitating cost effective, safe and reliable operations. This allows one skilled operator to manage a fleet of tractors, dramatically reducing the cost of operations.

We are currently expanding our team, in order to bring a fleet of production-ready autonomous tractors to the field. BOVI.AG is looking for highly motivated Engineers to expand the capabilities of our autonomy software, with a focus on Planning and Controls.

Responsibilities:

- Write and test production-quality autonomy software; participate in code review across teams
- Iterate on the BOVI.AG control stack to improve the reliability, precision of our our tractors
- Make changes to the BOVI.AG planning stack to improve orchard navigation
- Build out the high level logic for BOVI.AG's flagship applications
- Research and experiment with new sensors to add improve the BOVI.AG retrofit kit
- Collaborate closely with other engineering teams including Perception, Localization, and Hardware to add new system capabilities
- Do testing in the field with real world hardware and sensors
- As an early team member, help guide the direction and culture of the company

Qualifications:

- Proficient in C++, C, or Python
- 5+ years of experience writing high-quality software
- BSc in Robotics, Mechatronics, Computer Engineering, Computer Science, or equivalent
- Experience with autonomy systems

Preferred Qualifications:

- Background in or exposure to the agriculture industry
- Experience working with startups or in dynamic team environments
- Experience with ROS or ROS2
- Experience with 3D cameras, or computer vision systems
- Experience in fleet management

Compensation and Other Details:

- Market level salary and benefits, early-stage equity in BOVI.AG