

SENIOR ROBOTIC SOFTWARE ENGINEER

Autonomous navigation in complex outdoor environments

Philadelphia, PA

At Augean Robotics we are pioneering commercial robots into dynamic unstructured outdoor environments and building the future where collaborative robots work alongside people while laying the foundation for expansive high-value autonomy. Today, our launch product, Burro, is in trials with some of the world's largest growers, and we are seeking a Senior Robotic Software Engineer who will work with our multi-disciplinary team to expand the capabilities and autonomy of our fleet.

The role:

- Work alongside our CTO and CRO to develop autonomy that enables Burros to robustly interpret, localize, and navigate through their surroundings
- Architect and maintain a high quality codebase for a full autonomy stack
- Lead Perception development, including object detection, tracking, and row detection. Develop and integrate algorithms based on this development.
- Develop C++ systems
- Work with our team and contribute to our culture of collaboration, innovation, and intellectual curiosity

We are looking for:

- Expertise with navigation (SLAM, visual odometry, GPS) and motion control planning
- Familiarity with autonomy system based on ML techniques, and deep learning architectures for classification, detection, and scene segmentation
- Strong development/programming skills in C++ and Python
- 5+ Years of experience in autonomy, computer vision, and 2D/3D data manipulation
- Outstanding educational credentials including a PhD in Computer Science, Machine Learning, Robotics, or similar technical field of study, or equivalent industry experience

About Augean Robotics:

Augean Robotics is commercializing a ground-up autonomous platform for use in agriculture. As a full stack company, sitting at the nexus of hardware/robotics, autonomy, and artificial intelligence, we are launching the first generation of robots into the world's largest industry - agriculture, and solving the #1 challenge facing our food system - labor scarcity.

We are venture-backed, and looking for top talent that shares our passion and wants to be part of a fast-moving and highly execution-oriented team.

To apply, or to learn more:

Send an email to jointheteam@agrbot.com. Please include your resume and a few brief words on why you're interested.