

Internship Software Development - Perception, Localization & SLAM (m/f/d)



At Ant Robotics we're helping to transform farming. For that we are developing autonomous robots for field work. Founded in 2021, we are focusing on building collaborative robots, which enables the farms to overcome new regulations and economical, ecological and social conditions. We are a young team, eager to use technology to leverage the people on the fields with practical solutions. As we are growing we are looking for new team members.

YOUR RESPONSIBILITIES:

- Support in the development of our SW components.
- Develop new / improve existing algorithms in the fields of perception and localization/SLAM.
- Participation in software architecture decisions regarding autonomous robots.
- Test the implemented algorithms in simulation and on our robots.

REQUIREMENTS:

- Good working knowledge of object-oriented and generic programming with C++ and python.
- Experience with sensor data processing (e.g. 2D/3D Lidar, RGB-D and stereo camera systems).
- Strong knowledge in at least one of the fields of sensor data filtering, localization/SLAM and perception.
- Strong knowledge of data structures and algorithms and familiarity with ROS and PCL.
- Ability to design maintainable solutions to complex problems.
- Knowledge of ROS, Gazebo or simulation in general is a plus.
- A high degree of initiative, willingness to work and the ability to work in a team.
- Good knowledge of English, both spoken and written.

Wherever you are looking for an internship, a workstudent job or thesis, feel free to contact us via jobs@antrobotics.de

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