Open Position
Inspection Software Engineer

ANYbotics AG is an ETH Zurich spin-off developing new solutions for mobile robots. Our quadrupedal robot is equipped with an inspection sensor payload to provide autonomous visual, thermal and acoustic inspection in challenging environments such as industrial sites, power plants, and subterranean systems.

We are seeking a Software Engineer to join our highly motivated development team to enhance the robot's ability to understand and inspect its environment.

You are responsible for the inspection software stack including automatic reading of sensors of machinery, heat source detection and localization, sound assessment of the environment and obstacle detection, which enables the robot to execute complete autonomous inspection tours.

Your main tasks are to
- Develop and implement state-of-the-art computer vision algorithms and signal processing techniques,
- Integrate, test and evaluate third-party solutions,
- Debug and test the inspection software in field with the robot,
- Develop, maintain and support the inspection software stack,
- Evaluate and select sensors for the robot.

You have a Master's or Ph.D. degree with a focus on robotic engineering and a strong track record with practical experience in computer vision and signal processing with the following skills:
- Extensive experience with computer vision algorithms,
- Familiarity with machine learning techniques,
- Experience with sensor calibration,
- Strong competence in object-oriented programming in C++,
- Experience with C++ Libraries like Eigen, OpenCV, Boost or likewise
- Experience with ROS and Linux,
- Comfortable with unit testing and debugging hardware systems,
- Optional: Ability to integrate drivers for sensors,
- Optional: Experience in GPU programming.

You are an engaged personality used to work proactively and with precision - on your own and in the team. You enjoy the research environment of ETH Zurich to broaden your horizon, to get to know new technologies and to expand your skills continuously. Your profile is complemented by a good knowledge of English.

We offer an attractive working place in the center of Zurich, a market level salary, and an immediate start. As part of our young, highly motivated and dynamic team you will shape the future of our innovative and securely financed startup.

We look forward to your application including qualifications and cover letter on info@anybotics.com.

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