At Pixel Robotics we work on a new generation of autonomous mobile robots (AMRs), such as our PIXEL PT. We use AI-based localization and navigation technologies together with innovative hardware designs.

To expand our team, we are looking for a

Robotics Software Engineer (m/f/d)

Pixel Robotics is seeking skilled and motivated roboticists who are hands-on, technical, and passionate about making their robot dreams become reality.

You will contribute to various parts of our ROS2-based robot stack, from behavior and control to simulation, impacting how the robot operates in semi-structured, real-world environments.

Your responsibilities will be:

- Developing mobile robot systems for time-critical warehouse logistics
- Implementing sensing, navigation, control and behavior stacks for our robots
- Researching and experimenting with state-of-the-art algorithms
- Optimizing code to be fast and use limited computational resources
- Exploiting full robot capabilities by taking statics and dynamics into account
- Improving our simulation-first development workflow, reducing the need for real robot testing
- Integrating, testing and optimizing systems at customer sites

This is your background:

- Experience with motion planning and control systems
- Hands-on experience with ROS / ROS2
- Strong Python and/or C/C++ skills
- Personal initiative, structured way of working and creativity
- Strong communication skills, willingness to take responsibility and focus on results
- You are a good team player and convince with your friendly and empathetic manner
- Education: Completed studies in the field of Electrical Engineering, Computer Science or Mathematics

Join a great working environment:

- Start-up atmosphere in a fast-growing and rapidly evolving company
- Join a team of experts in the growing robotics and automation market
- A centrally located office next to the Olympic parc
- Extras such as free drinks, fruits and a job ticket
- Flat hierarchies and room for growth

We look forward to your online application including salary expectations and possible start date to: **career@pixel-robotics.eu**