

Internship

Mobile Manipulation for Industrial Applications

We are looking for a driven and talented individual to join our team for three to six months as an intern. This internship involves working on cutting edge research and development aimed at industrial applications using open-source software. You will be working with a mobile manipulator that is intended to work on industrial applications such as inspection, drilling, painting, or reconstruction. You will be working with SAM XL engineers and student assistants on one or more applications.

Responsibilities:

- Measuring the performance of offline path planning.
- Perform complex tasks using the mobile manipulator.
- Develop a digital twin for the mobile manipulator.
- Develop software modules for mobile manipulation software stack.

Required Skills:

- Familiarity with Nav2 or Move base.
- Proficiency in C++ and Python
- Effective communication skills
- Critical thinking ability, problem-solving attitude
- Experience in ROS2

At SAM XL we value creativity, critical thinking, and a desire to innovate. You will have an opportunity to get experience in industrial robotics while being in a supportive working environment. You will be contributing to the cutting edge of smart robotics for the industry.

If you are passionate about robotics and want to get your hands dirty while solving complex challenges, please apply for this position. We would like to see your resume along with a short cover letter explaining your experience or motivation to pursue the internship.

Note: We have better coffee than the university and **an internship remuneration will be part of your employment.**

Interested? Send your CV and a short motivation to internships-samxl@tudelft.nl