

Internship

Automated polishing and Grinding

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 focusing on creating toolpaths for the robot to follow on a work piece. These paths will be followed by the robot to polish/blend the surface. Such processes are often done to clean metal surfaces, remove rust etc. Furthermore, you will also be investigating the performance of the paths and making note of what can be improved.

Responsibilities:

- Using computer vision, 3D cameras to detect the surface and plan trajectories.
- Measuring the performance of offline path planning.
- If needed making requirements for feedback control.
- Testing developed software on co-bots and industrial manipulators.
- Measuring performance of offline computed paths.

Required Skills:

- Proficiency in C++.
- Effective communication skills.
- Critical thinking ability, problem-solving attitude.
- Experience working with 3D data/meshes.
- 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: an internship remuneration will be part of your employment.

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