

Internship Position: Image Processing, Machine Vision & Hardware Control

microphotonX GmbH is a biotech start-up in the south of Munich. We develop and distribute an innovative new diagnostic system for analysis of biological and medical samples. Our Biospex Analyser uses a unique laser technology and AI methods that allows to get much faster and more accurate results. With our novel approach, we aim to help health professionals to reach rapid and effective therapy decisions.


30 min from
Munich


Home-Office
possible


30-40h
per Week


01.06 –
31.12.2023

For the development of our newest product line Biospex 3.0, we are looking for a highly motivated intern to support our internal experts.

Your tasks:

- Develop and test image processing algorithms for our products
- Implement machine vision techniques and algorithms for industrial applications
- Contribute to the design and implementation of hardware control software for our devices
- Assist with testing and troubleshooting of hardware and software components
- Document project progress, results, and findings

Your profile:

- Enrolled in a degree program related to computer science, electrical engineering, or a related field
- Strong understanding of image processing techniques and algorithms
- Experience with computer vision and pattern recognition concepts and algorithms
- Experience with OpenCV and other related image processing libraries is an added advantage
- Proficiency in programming with Python and C/C++ or Rust
- Familiarity with software development for hardware device control
- Knowledge of Linux driver development or

interfacing in Rust is a plus

- Team player who is willing to learn and experiment with new ideas
- Strong analytical and problem-solving skills
- Excellent written and verbal communication skills in English
- German is a plus

Our offer:

- Opportunity to contribute your ideas to an innovative, state of the art solution to medical diagnostics
- Paid internship spanning a period of 6 months
- Flexible working hours and the possibility to work on a mobile basis
- Modern and bright office space in the south of Munich with modern equipment and IT infrastructure as well as good public transport connections
- Attractive surroundings with shops and restaurants just a few steps from Lake Starnberg
- Free drinks, regular team events, etc.
- Multinational, highly qualified and professional team
- Agile environment with short decision-making processes, flat hierarchies and an "Open door policy"

Did we raise your interest?

Please submit your application documents including your earliest possible starting date and salary expectations to **Petra Deubler** at the following E-mail address: career@microphotonx.com

We look forward to your application.