

# EPFL Master Internship Preventive Maintenance

(M/W) 100%

The cutting tools necessary for manufacturing smartphones, tablets, aircraft, cars and medical devices are high-tech products made on high-precision machines with high-performance software. Rollomatic designs, manufactures, markets, and maintains these production systems worldwide with nearly 400 employees.

## THEME OF THE WORK:

**"PREVENTIVE MAINTENANCE FOR CNC MACHINES"**

## YOUR PROFILE:

- Master student, oriented towards mechanics, micro-engineering and data science looking for a part-time/full-time position as an intern
- Good knowledge in sensors integration, data acquisition and familiarity with data analysis tools
- Strong interest in domains such as data analysis, predictive maintenance, and software development
- Motivation for engineering application in the heart of Swiss-made high-precision industry

## YOUR MISSION:

- Collaborate with our interdisciplinary team to integrate and develop a Smart health program for monitoring the status of CNC machines and devices by means of different sensors
- Work on data collection, integration, and collection to ensure early detection of equipment issues
- Assist in creating user friendly interfaces for our engineers to access and interpret machine data
- Implementation of these solutions with an adequate framework

## YOUR TAKE:

- This internship project offers you the opportunity to immerse yourself in a unique environment that combines industrial aspects, the development of data analysis methods and their implementation
- You will be integrated into a team of professional developers and engineers, following modern working methodologies
- Your research and development work brings significant added value to our customers, contributing to the improvement of a core domain
- Finally, this research work can possibly continue with a Master thesis, PhD project or employment at Rollomatic

## WORKPLACE:

- Your workplace will be shared between EPFL Innovation Park and Rollomatic Headquarter (Le Landeron)
- Partial remote work possible

Application deadline: 30.11.2024

Are you interested in this challenge? Please send your application (EN or FR) at:  
[celluleEPFL@rollomatic.ch](mailto:celluleEPFL@rollomatic.ch)



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