OPEN POSITION: COMPUTER VISION SOFTWARE ENGINEER

REFERENCE ACTIVITY

The resource will be part of the team related for the development of machine vision software of by Polytec.

Moreover, the resource will:

- take part in camera calibration activities and pre-implementation analysis sessions

- interface with the rest of the robotics team to understand the requirements of the machine in relation to its application

- be responsible for the implementation of 2D and 3D computer vision algorithms, integration and use of artificial intelligence and application of neural network-based algorithms using Halcon software and libraries

- be responsible for the conversion of these algorithms into C# and the integration of the code into server-side services that have different applications on the robotic islands built by BM

- analyse and improve the efficiency, scalability, and stability of existing and newly developed software

- participate in the testing of the robot island, which is carried out at the company's premises, and in the Factory Acceptance Test with the customer

- follow the commissioning, either on-site or remotely, for the part under his responsibility and the training of the customer's personnel.

Depending on the customer and the type of project, the person will try out the various vision solutions applied, supervised by the department manager and in collaboration with senior resources.

The resource will take part in the training courses promoted by BM Group to deepen and improve their skills in the field.

WORKPLACE

- Borgo Chiese (TN, Italy)

- Brescia (BS, Italy)

- Rovereto (TN, Italy)

REQUIRED TECHNICAL SKILLS

- Willingness to acquire new knowledge in computer vision, deep learning, and robotics.

- Good knowledge of the English language.

- Willingness to make occasional trips around Italy and abroad.

- Diploma and/or degree in computer science, computer engineering, information science, mechatronics, automation.

- Ability to develop medium-high complexity algorithms.
- Good knowledge of object-oriented programming.
- Good knowledge of relational and non-relational databases.

WELCOMED TECHNICAL SKILLS

- Knowledge of artificial vision and/or artificial intelligence systems and their application in industry.
- Familiarity with analysing 2D images, 3D point clouds, and other imaging technologies.
- Familiarity with the Visual Studio development environment and with the .NET Framework.
- Basic knowledge of literature related to artificial vision systems (Halcon, OpenCV …).

WHAT WE OFFER

- Integration into a solid and rapidly growing international group with 30 years of experience in innovation, technology, and energy.
- Opportunity to grow and improve the job position, aspiring over the years to acquire responsibilities within the company.
- Opportunity to take part in innovative research and development activities.
- Job posting also on foreign branches (USA, Mexico, Brazil, South Korea).
- Technical, linguistic, and managerial training.
- Opportunity to travel and meet new people from different linguistic and cultural backgrounds.
- Shared apartment/hotel for non-residents during any training/work periods at the Borgo Chiese headquarters.
- Equipment: Smartphone and PC.

OUR COMPANY

Polytec, core business of BM Group, is a leading Italian company in digital transformation and energy transition.

BM Group is an Italian industrial group that combines companies with different specialisations that share a common goal: to enable industry to undergo the technological transformation necessary to become a smart and sustainable factory. The BM Group team is young, dynamic, and constantly collaborates with research centres and universities. For each new figure included in our staff, an induction programme is defined in the hiring phase in accordance with experience and skills. We organise and promote training courses with a view to continuous improvement.

APPLICATION INFORMATION

- RAL to be defined based on the professional profile.

- The job offer is aimed at both sexes (law 903/77)

- Information on the treatment of personal data (2016/679 GDPR): https://polytec.bmgroup.com/sites/default/files/2019-10/Informativa_CV_0.pdf