

Computer Vision - R&D Engineer [Bachelor's or Master's Degree (m/f)]

Intelligent Systems Laboratory

Ref^a: CITIN-2024-CTI-ISL-P06

The [Associação CiTin - Centro de Interface Tecnológica Industrial](#) is a private, non-profit scientific, technological, and technical assistance association of a private nature, recognised by order no. [12688/20222](#), issued by the Ministry of Economy as a Technology and Innovation Center. Its mission is to conduct applied R&D activities, facilitate technology transfer, and provide advanced training. CiTin aims to act as a driver for cohesion within the regional innovation ecosystem, with national and international ambitions.

CiTin emerged from a joint effort by 12 private industrial companies (Antolin Lusitânia, BMViV, Coindu, DS Smith, EMIR, Metaloviana, NM3D Ibérica, Portas Arcuense, Sonorgás, The Tomorrow Company, Tintex, West Sea), 2 public entities (CIM Alto Minho, CMAV), 2 private institutions of public interest (CEVAL, In.Cubo), and 1 higher education institution (IPVC). Later, the association's membership expanded to include the University of Minho (UMinho), Painhas S.A., and LINOVT. By December 31, 2023, CiTin had a total of 20 members.

Job Description

- Develop and implement computer vision solutions to improve production and inspection processes;
- Conduct applied research within R&D projects aligned with the laboratory's technology roadmap;
- Actively collaborate in the production of scientific papers, registration of patents, as well as reporting on the progress of R&D activities;
- Assist in managing laboratory infrastructure, including work tools and laboratory equipment;
- Participate in technical and scientific training activities in the context of projects and partnerships established by CiTin in the context of its mission;
- Ability to work as part of a team and independently, contributing to an innovative and dynamic environment;
- Exhibit good communication and organizational skills.

Ideal Profile

We are seeking professionals with experience in R&D projects, particularly in **developing and integrating new technologies aligned with Industry 4.0/5.0 paradigms and designing innovative systems for the factory of the future**, such as manufacturing and logistics. The ideal candidate will have the following qualifications:

- Bachelor's or Master's degree in **Computer Engineering, Electrical Engineering, Telecommunications Engineering, Network Engineering, Mechatronics Engineering**, or related fields. Experience in the following areas is highly valued:
 - Development of computer vision solutions;
 - Image processing, video analysis, and pattern recognition techniques;
 - Knowledge of Machine Learning applied to computer vision;
 - Familiarity with Industry 4.0/5.0 technologies and concepts;
- Professional experience in R&D activities, either in industry or academia;
- Proficiency in C/C++, Python, OpenCV, TensorFlow, PyTorch, MediaPipe, or similar frameworks
- Scientific publications in fields such as Computer Vision, Image Processing, Artificial Intelligence, Computer Engineering, Network Engineering, Production Engineering, Mechatronics Engineering, Industrial Automation Engineering, or Industrial Maintenance Engineering (preferred);
- Proficiency in English;
- Strong interpersonal skills, communication ability, responsibility, and a proactive approach in the workplace.

This is an innovation-driven role, so a resilient, dynamic, proactive, and ambitious spirit is essential.

Benefits

- A great opportunity for your professional development.
- We offer remuneration based on the presented CV.

Please send your CV to recrutamento@citin.pt with the reference of this announcement in the subject field.

+ info: <http://www.citin.pt>

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