

JOB DESCRIPTION

Position Title: Machine Vision Developer
Department: Engineering

Job Status: Permanent, Full-time
Reports To: Technical Director in Canada

Position Summary

Vista Solutions provides machine vision solutions and services across a broad range of industries including Food and Beverage, Automotive, Pharmaceutical, Military, Aerospace, Packaging, Metal Casting and Consumer Products/Electronics across North America.

The Machine Vision Developer “MVD” is responsible for integrating and supporting advanced machine vision and inspection technologies and solutions for a wide array of automated inspection applications. This position is focused on providing remote development services for the development of a vision guided robotics application based in the USA. The remote developer must have exceptional communication skills to effectively collaborate with project management, engineering, sales, and development partners.

Regular Duties and Responsibilities

Under the supervision of the Technical Director, the duties, and responsibilities of the MVD include, but are not limited to:

- User Interface development using C# with MS Visual Studio
- Machine vision inspection development using MVTec Halcon (including Deep Learning tools such as AI)
- TwinCat PLC
- Vision guided robotics development
- 3D Inspections using Sick Ranger3 hardware
- Robot hand-eye calibration programming / routine
- Support additional technical request from client for peripheral product features
- Provide regular updates to all project stakeholders (internal and external)
- Technical service and support of custom machine vision solutions, including phone support, troubleshooting hardware / software issues and documenting results
- Troubleshoot and diagnose any problems with vision systems and communicate solutions for complex issues
- Provide training and guidance to future team members
- Potential onsite testing and support, including lab work
- Demos and trade shows throughout the USA
- Other duties as assigned

Minimum Requirements

- Mechatronic, Electrical, Computer or other related technical degree with a keen interest and/or prior experience in machine vision, automation, robotics, or programming
- Knowledge of computer programming including PLC, electronics, robot programming and automation is an asset
- One (1) - two (2) years' experience of assisting in programming vision equipment is an asset
- Exceptional work ethic, math, and analytical skills
- Strong communication skills in English and Spanish (written and verbal)
- Desire to be challenged by expanding, applying, and learning new technologies
- A valid passport and ability to meet the requirements of a TN Visa (USA working Visa)
- A valid driver's license and/or reliable means of transportation

Regular Working Conditions

- Vista Solutions follows a regular business schedule tailored to clients' needs (i.e., 7:00am to 4:30pm); this position may be required to work in the evenings, outside normal working hours, or on weekends. Flexibility in hours of work may be required to provide remote support of various activities occurring in the field or during demonstrations
- Ability to work independently in a remote setting and/or from Vista Solutions Mexico offices
- Ability to multi-task in a fast-paced environment (i.e., customer calls, meetings, support, changing priorities etc.)
- Required to spend long hours concentrating which will require attention to detail and high levels of accuracy
- Required to meet several deadlines in a fast-paced environment