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PR/158794 | Vision Systems Engineer - Opportunity to Transfer to Singapore

Job Information

Recruiter
JAC Recruitment Malaysia

Job ID
1548186

Industry
Other (Manufacturing)

Job Type
Permanent Full-time

Location
Singapore

Salary
Negotiable, based on experience

Refreshed
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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

Company and Job Overview:
Join a leading global manufacturer specializing in high-performance magnetic components, including RF chip inductors, power magnetics, and filters is seeking a skilled Vision System Engineer to support the development and integration of cutting-edge technologies at our overseas plant.

Job Responsibilities:
- Integrate vision systems with automated processes and motion controls based on model data, including mathematical modeling and software solution development.

- Collaborate with a multidisciplinary team to gather and validate system requirements.

- Design and develop automated inspection and guidance solutions using advanced vision and sensing technologies.

- Provide hands-on implementation and mentorship to team members.

- Drive innovation in technical concepts, manage project costs, and ensure timely delivery.

- Stay informed on the latest advancements in vision, automation, and sensing technologies.

- Generate detailed design specifications for development projects.

- Offer internal and on-site support during system integration phases.

- Assist in the creation of comprehensive test plans and technical documentation.

Job Requirements:
- Bachelor's degree in Electrical Engineering or Mechanical Engineering with a minimum of three (3) years of relevant experience.

- Proficiency in working with vision system databases.

- Expertise in selecting appropriate cameras, lighting, and lenses for applications such as defect detection and part location.

- Strong programming skills in Visual C#, WPF, C++, and Python.

- Experience in developing vision systems with Halcon and Opteon cameras.

- In-depth knowledge of machine vision programming and related disciplines.

- Proficiency in automation controls, motors, and sensors, including PLC, CTC, Beckhoff PC, controllers, servo, and stepper motors.

- Familiarity with wiring and cabling specifications, including sizing, terminations, and load/temperature requirements.

- Strong understanding of industrial machinery design.

- Skilled in statistical analysis and its applications.

Benefits:
- Competitive salary paid in Singapore Dollars (SGD).

- Transportation allowances to support daily commutes.

- Opportunities for global exposure through cross-regional collaborations and projects.

- Opportunity to Transfer to Singapore

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Company Description