



PR/096011 | Senior Perception Engineer

Job Information

Recruiter

JAC Recruitment Singapore

Job ID

1562492

Industry

IT Consulting

Job Type

Permanent Full-time

Location

Singapore

Salary

Negotiable, based on experience

Refreshed

December 16th, 2025 12:02

General Requirements

Career Level

Mid Career

Minimum English Level

None

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

COMPANY OVERVIEW

Our client focuses on developing robotics platform using AI.

JOB RESPONSIBILITIES

- Spearheaded the design and development of advanced 3D machine vision systems tailored for industrial robotics, ensuring exceptional precision and performance.
- Collaborated with cross-functional teams, including robotics engineers and software developers, to enable seamless integration of 3D vision technologies into robotic platforms.
- Directed the integration of 3D sensors with robotic systems, focusing on performance optimization and accuracy enhancement.
- Designed and refined algorithms for data acquisition, image processing, and object recognition, enabling sophisticated visual perception capabilities.
- Diagnosed and resolved technical challenges related to machine vision, ensuring robust and reliable operation in demanding industrial environments.

JOB REQUIREMENTS

- Degree in Computer Science, Engineering, or related field
- Min 5 years in 3D perception systems, preferably in robotics
- Proficient in Python, C#, C++ and relevant frameworks
- Strong grasp of software architecture, OOP, and SOLID principles
- Experience with 3D sensors, point cloud, and mesh processing
- Proven leadership and mentoring skills
- Excellent problem-solving and communication abilities

Working Location: Singapore

Syahirah Binte Ahmad Ja'afar (R22105331)
JAC Recruitment Pte. Ltd. (90C3026)

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Company Description