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シンガポールの求人なら
JAC Recruitment Singapore

PR/095675 | Scientist (Robotics)

Job Information

Recruiter
JAC Recruitment Singapore

Job ID
1554809

Industry
IT Consulting

Job Type
Permanent Full-time

Location
Singapore

Salary
Negotiable, based on experience

Refreshed
August 12th, 2025 10:41

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 OVERVIEW

Our client is a leading national research organization driving innovation through interdisciplinary science and technology to support industry transformation and societal advancement.

We are currently looking for a Scientist (Robotics related).

JOB RESPONSIBILITIES

- Conduct research on advanced algorithms, technologies, and tools; perform comparative evaluations and provide recommendations to support smart robotics and automation system development

- Engage with stakeholders to gather detailed requirements, understand problem statements, constraints, and desired outcomes

- Design and implement novel algorithms and software modules in areas such as autonomous manufacturing, intelligent human-centric automation, and reconfigurable robotic systems

- Collaborate with the team to validate solutions through virtual modeling, simulations, physical prototyping, and demonstrator development

- Analyze existing roadmaps, identify emerging research opportunities, and contribute to the development of new project or grant proposals

- Prepare comprehensive technical documentation and deliver presentations to multidisciplinary audiences

- Author scientific publications and contribute to intellectual property disclosures and technology documentation

JOB REQUIREMENTS

- Ph.D. in AI, Computer Science, or Engineering (e.g., Mechanical, Electrical, Electronics, Aerospace, Automation) with specialization in optimization, machine learning, robotics, autonomous systems, or cyber-physical systems

- Minimum 2 years of R&D experience in a relevant technical domain

- Strong foundation in computing, data science, and AI applications for robotics, autonomous systems, or industry-relevant challenges

- Proficient in Python and C/C++ for developing algorithms in data analysis, optimization, and machine learning

- Proven track record of publications in top-tier journals/conferences and/or patents

- Excellent problem-solving, analytical thinking, technical documentation, and presentation skills

- Hands-on experience with Generative AI and Reinforcement Learning is a strong advantage

- Familiarity with systems-level modeling and simulation tools (e.g., Simulink) is a plus

- Industry project experience, either pre- or post-Ph.D., is highly desirable

Benefits
Work Location: Singapore

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

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Company Description