

Research Associate (Robotics)
Nanyang Technological University

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Posted Mar. 12, 2024, set to expire Jul. 11, 2024

Job Title	Research Associate (Robotics)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 12, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Robotics Mechanical Engineering
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Job Description

The School of Mechanical & Aerospace Engineering (MAE) invites applications for the position of Research Associate.

We are developing a smart robotic gripping system for vegetable harvesting in vertical farm environments. We're seeking a motivated Research Associate with expertise in mechanical design, building the embedded system, and control.

Key Responsibilities:

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- Develop a robust mechanical design for the gripping system, ensuring optimal functionality and durability.
- Construct and systematically maintain the robotic gripper.
- Design/implement control algorithm for the robotic gripper.
- Fine-tune gripper's operational parameters to achieve optimal performance.
- Assist RF to prepare the project deliveries and milestones.

Job Requirement:

- Master's degree in STEM, Mechanical/Electrical/Mechatronics Engineering is preferred.
- Experience in Python, SolidWorks/Inventor, Matlab.
- Hands on experience on building embedded system using Arduino/ESP32.
- Hands on experience with 3D printers (FDM, SLA).
- Excellent communication and interpersonal skills.
- Excellent time management and organizational skills.
- Ability to work independently and as part of a team.
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Ability to meet deadlines.

We regret that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore