

Research Engineer I (Mechanical
Engineering/Robotics/Electrical Engineering)
Nanyang Technological University

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Posted Apr. 22, 2024, set to expire Apr. 1, 2025

Job Title	Research Engineer I (Mechanical Engineering/Robotics/Electrical Engineering)
Department	School of Mechanical & Aerospace Engineering (MAE)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 22, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Electrical and/or Electronics Mechanical Engineering Robotics
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Engineer-I--Mechanical-Engineering-Robotics-Electrical-Engineering-_R00016801
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Job Description	

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

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Key Responsibilities:

- Devise automation solution for microfluidic device to target research and clinical use.
- Convert customers' requirement into product design and prepare technical drawings and bill of materials (BOM).
- Plan and conduct product evaluation, functional test, failure analysis (FA) and create test report.
- Conduct product testing at customers' site and collect feedback for continuous improvement.
- Coordinate with vendors and team members on tooling, manufacturing, and costing.
- Provide weekly progression report on product design, manufacturing status and costing.

Job Requirements:

- Minimum Bachelor's degree in Mechanical Engineering, Robotics, Or Electrical Engineering.
- Proficient in computer-aided design (CAD) software such as Solidworks, Creo, NX, Inventor, etc.
- Proven tracked record in automation solution or machine development.
- Preferred prior experience in CNC, rapid prototyping, injection molding and microfluidics
- Sound knowledge on electrical circuit and microcontroller like Arduino, Raspberry Pi, STM32.
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Able to work independently and detailed oriented.

- Good written and verbal communication in English.
- Good communication skill in explaining technical knowledge in a comprehensive manner.
- Preferred prior experience on medical regulatory compliance (ISO 13485, FDA, MDR, IVDR).

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