

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

Direct Link: <https://www.AcademicKeys.com/r?job=234787>

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

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

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