

**Research Associate (TBM tunnelling)
Nanyang Technological University**

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Posted Mar. 21, 2025, set to expire Jul. 20, 2025

Job Title	Research Associate (TBM tunnelling)
Department	School of Civil and Environmental Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 21, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Civil Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Associate--TBM-tunnelling-_R00020136
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Associate--TBM-tunnelling-_R00020136
Apply By Email	
Job Description	

The School of Civil and Environmental Engineering (CEE) at Nanyang Technological University is a leading school for Sustainable Built Environment. It has over 60 faculty members and more than 1,500 students and is rapidly expanding its range of education and research activities. The School of Civil and Environmental Engineering (CEE) aims at exploring and utilizing the underground space in a sustainable manner.

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Key Responsibilities:

- Responsible for developing explainable machine learning algorithms for TBM risk identification
- Developing practical tools to optimize TBM operation parameters
- Writing and publication of results in peer-reviewed journals
- Assist in securing external funding through grant applications and proposals

Job Requirements:

- Master's degree in Civil Engineering or related field
- At least 2 years of relevant experiences in technical hands-on experience for TBM tunneling
- Excellent programming skills, such as Python, MATLAB, or other competent languages.
- A good record of publications in reputable peer-reviewed journals or conferences
- Proficiency in written and spoken English - essential for data analysis and communication with stakeholders
- Previous experience in proposal writing is a plus

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We regret to inform 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