

Research Assistant (Remote Sensing and Machine Learning)
Nanyang Technological University

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Posted Jul. 3, 2024, set to expire May 6, 2025

Job Title	Research Assistant (Remote Sensing and Machine Learning)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jul. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Electrical and/or Electronics Computer Science
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Assistant--Remote-Sensing-and-Machine-Learning-_R00017670
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Assistant--Remote-Sensing-and-Machine-Learning-_R00017670
Apply By Email	
Job Description	

The School of Electrical and Electronic Engineering is looking for a Research Assistant (RA) who can work as a Data Scientist, Machine Learning (ML) Researcher and ML Engineer working in collaboration with external NUS and NParks cross-functional teams.

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This is a full-time Research Assistant (with Honours degree) position at the School of Electrical and Electronic Engineering (EEE) under Dr. Sit Ji-Jon and A/P Lee Yee Hui. In this project, the RA must fill the 3 roles of Data Scientist, Machine Learning (ML) Researcher and ML Engineer at a proportion of 2:5:3 respectively.

Key Responsibilities:

- Perform fieldwork
- Curation of remote sensing data from UAV mapping missions across multiple forested sites.
- Explore and implement biodiversity classification and canopy analysis algorithms based on UAV remote sensing data.
- Build the system infrastructure for serving the UAV data to the research methods
- Provide data visualization for end-users.
- Build a ML model that integrates the results from Phase 1 with data from NUS Ecology and Geospatial teams for forecasting forest growth and recovery
- Construct a professional data portal for multiple users to conveniently enter the data and view the results using industry-standard software engineering practices.
- Liaise work between NTU, NUS and NParks to bring the project to a successful ending.

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Job Requirements:

- Bachelor's degree or Honours degree in Computer Science or related with relevant research/work experience.
- Academic background in remote sensing, machine learning or data science
- Experience in software engineering (from industry or equivalent)
- Excellent written and oral communication skills.

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