

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

Direct Link: <https://www.AcademicKeys.com/r?job=238497>

Downloaded On: Jul. 3, 2024 5:25pm

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

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

**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