

Research Associate (Computer Science/Aerospace  
Engineering/Operation Research)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=233816>

Downloaded On: Oct. 31, 2024 8:09pm

Posted Apr. 2, 2024, set to expire Apr. 1, 2025

<b>Job Title</b>	Research Associate (Computer Science/Aerospace Engineering/Operation Research)
<b>Department</b>	School of Mechanical and Aerospace Engineering
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Apr. 2, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff Research Scientist/Associate
<b>Academic Field(s)</b>	Computer/Information Sciences
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Associate--Computer-Science-Aerospace-Engineering-Operation-Research-_R00016655">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Associate--Computer-Science-Aerospace-Engineering-Operation-Research-_R00016655</a>

**Apply By Email**

**Job Description**

In 2013, the Civil Aviation Authority of Singapore (CAAS) and Nanyang Technological University (NTU) jointly established the Air Traffic Management Research Institute (ATMRI) in Singapore, with the vision to set up a renowned ATM research institute, finding innovative solutions, and catalysing an ATM transformation in the region. ATMRI is currently leading cutting-edge research on ATM, with the vision to facilitate next-generation ATM by developing advanced AI and Data Analytics.

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ATMI is inviting applications for the position of Research Associate. The Research Associate will be part of a research team to study the use of Artificial Intelligence and Data Analytics in Air Traffic Management Systems.

**Key Responsibilities:**

- Support research and development related to Artificial Intelligence and Machine Learning applied to Air Traffic Control and Air Traffic Management.
- Develop algorithms and models (Deep Learning/Deep Reinforcement Learning), perform data mining, doing analytics for future for Air Traffic Control Operations.
- Develop prototypes and intelligent tools for Air traffic management.
- Support Principal Investigator/Team Lead with project management activities and preparation of progress reports.
- Communicate and collaborate effectively with industrial and academic partners.

**Job Requirements:**

- Master's degree in Computer Science, Aerospace Engineering, Operation Research or equivalent.
- Experience in programming and have excellent knowledge of Python Programming Languages.
- Demonstrated project experience related to applied Machine Learning, Data Mining, Air Traffic

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Control or Air Traffic Management

- Publication in peer-reviewed conferences and/or journals related to Machine Learning/Air Traffic Management.
- Good English writing and communication skills
- Able to work independently and be a team player

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