

Research Fellow (Computer Engineering/Transportation  
Engineering)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=250031>

Downloaded On: Dec. 22, 2024 2:46am

Posted Dec. 6, 2024, set to expire May 6, 2025

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|-----------------------------|---|
| <b>Job Title</b>            | Research Fellow (Computer Engineering/Transportation Engineering)   |
| <b>Department</b>           | College of Computing and Data Science   |
| <b>Institution</b>          | Nanyang Technological University<br>Singapore, , Singapore  |
| <b>Date Posted</b>          | Dec. 6, 2024  |
| <b>Application Deadline</b> | Open untill filled  |
| <b>Position Start Date</b>  | Available Immediately   |
| <b>Job Categories</b>       | Research Scientist/Associate  |
| <b>Academic Field(s)</b>    | Computer Engineering  |
| <b>Job Website</b>          | <a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Computer-Engineering-Transportation-Engineering-_R00019264">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Computer-Engineering-Transportation-Engineering-_R00019264</a> |
| <b>Apply Online Here</b>    | <a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Computer-Engineering-Transportation-Engineering-_R00019264">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Computer-Engineering-Transportation-Engineering-_R00019264</a> |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

Young and research-intensive, Nanyang Technological University, Singapore (NTU Singapore) is ranked among the world's top universities. NTU's College of Computing and Data Science (CCDS) is a leading college that is known for its excellent curriculum, outstanding and impactful research, and

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world-renowned faculty. Today, we are ranked #2 for AI and #6 for Computer Science by US News Best Global Universities; and #8 for Data Science and AI by QS World University Ranking.

A hot bed of cutting-edge technology and groundbreaking research, the College aims to groom the next generation of leaders, thinkers, and innovators to thrive in the digital age. Located in the heart of Asia, NTU's College of Computing and Data Science is an 'exciting place to learn and grow'. We welcome you to join our community of faculty, students and alumni who are shaping the future of AI, Data Science and Computing.

**Key Responsibilities:**

- The candidate will work for the project to conduct the research on development of analysis framework on how to build up a generic framework to use learning-assisted approach to solve transportation related problems:
- Develop mathematical modeling framework to find the optimal operation strategy for public transport services with autonomous vehicles
- Conduct computer programming to verify the efficiency of the designed solution algorithms
- Conduct survey to better understand the travelers' perception towards the new technology based public transport services
- Analyze data acquired from the field survey
- Develop mathematical models to predict passenger demand for public transport services with autonomous vehicles

**Job Requirements:**

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- Preferably PhD in computer engineering, transportation engineering or related field.
- Expertise in computer programming
- Knowledge in urban transportation studies, traffic flow theory, operation research
- Proven research ability as evidenced through a portfolio of publications and/or conference papers and/or patents.
- Excellent teamwork and verbal, written communication skills
- Independent, highly analytical, proactive and a team player
- In-depth knowledge relevant to the project domain.
- Demonstrated capability to conduct innovative research.
- The ability and willingness to adapt and incorporate novel ideas and approaches in scientific industry.
- Demonstrated ability to formulate hypothesis and design effective experimental plans.
- Ability to design and implement new experimental methods.
- Ability to initiate collaboration research in multidisciplinary team.
- Oversee and report project progress.
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Ability and willingness to work some flexible hours.

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