

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

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

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

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