

Research Associate (Autonomous Driving Simulator)
Nanyang Technological University

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Posted Jun. 20, 2024, set to expire May 6, 2025

Job Title	Research Associate (Autonomous Driving Simulator)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jun. 20, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Computer Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Associate--Autonomous-Driving-Simulator-_R00017560
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Job Description	

The School of Electrical and Electronic Engineering is inviting applications for the position of Research Associate. The Research Associate will work on a project to conduct the research involving teleoperation systems and autonomous driving systems.

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Key Responsibilities:

- Develop and implement real time virtual rendering system for digital twin.
- Develop and design 3D digital twin based driving simulator.
- Integrate 3D digital twin into teleoperation systems and autonomous systems.
- Connect and rendering onboard sensor data into digital twin.

Job Requirements:

- Master's degree in Computer Engineering.
- Experience in 3D reconstruction.
- Programming skill: C++, Python, ROS2.
- Project experience of 3D view synthesis, e.g. 3D Gaussian Splatting.
- Experience with using Pandas / SciPy / TensorFlow / PyTorch.
- Good verbal and written communication skill in English as required to publish research.

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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