Research Engineer (RGB camera and LiDAR) - LX
Singapore Institute of Technology

Job Title	Research Engineer (RGB camera and LiDAR) - LX
Department	Infocomm Technology
Institution	Singapore Institute of Technology
	Singapore, , Singapore
Date Posted	Jun. 28, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Computer Science
Apply Online Here	https://careers.singaporetech.edu.sg/cw/en/job/498448/research-engineer-rgb-camera-and-lidar-lx
Apply By Email	
Job Description	

Research Engineer (RGB camera and LiDAR) - LX

Job no: 498448
Department: Infocomm Technology
Contract type: Contract
Apply now

As a University of Applied Learning, SIT works closely with industry in our research pursuits. Our research staff will have the opportunity to be equipped with applied research skill sets that are relevant

to industry demands while working on research projects in SIT.

The primary responsibility of this role is to deliver on an innovation research project where you will be part of the research team to conduct applied research in the topic of robust AI for autonomous driving perception. Detailed research tasks include physical-space adversarial example attacks, applying redundancy and diversity of deep neural networks to harden object detection and semantic segmentation, as well as maintaining the real-time performance of the hardened AI computing on embedded GPUs (NVIDIA Jetson AGX Orin). RGB camera and LiDAR will be the main sensing modalities to be studied.

Key Responsibilities

- Participate in the research project with Principal Investigator (PI), Co-PI and the research team members to ensure all project deliverables are met.
- Undertake these responsibilities in the project:
  i. Work with the research fellow, collaborators, and the industry partner to conduct the applied research
  ii. Develop the prototype for testing
- Carry out Risk Assessment, and ensure compliance with Work, Safety and Health Regulations.
- Coordinate procurement and liaison with vendors/suppliers.
- Work independently, as well as within a team, to ensure proper operation and maintenance of equipment.

Job Requirements

- Have relevant competence in the areas of Deep Learning/Computer Vision
- Have a Bachelor's/master's degree in computer science/engineering or related disciplines
- Knowledge of autonomous vehicles or cyber security will be advantageous
- Hands-on experience with computer systems

Apply now
Advertised: 28 Jun 2023 Singapore Standard Time
Applications close: 31 Aug 2023 Singapore Standard Time

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore