Research Fellow (Computer Vision)
Nanyang Technological University

Job Title	Research Fellow (Computer Vision)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University
	Singapore, , Singapore
Date Posted	May 20, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Computer Science
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Computer-Vision-_R00017222
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Apply By Email	
Job Description	

The School of Electrical and Electronic Engineering is one of the founding Schools of the Nanyang Technological University. Built on a culture of excellence, the School is renowned for its high academic standards and research. With more than 130 faculty members and an enrolment of more than 4,000, of which close to 1,000 are graduate students, it is one of the largest EEE schools in the world and ranks 4th in the field of Electrical & Electronic Engineering in the 2021 QS World University Rankings by Subjects.

Our team is seeking to hire a talented researcher in the area of computer vision and deep learning to work with a team from multiple disciplines of machine learning and artificial intelligence to develop multimodal large language models with capabilities such as conversational information retrieval, multimodality sensemaking, question answering and chain-of-thoughts. The Research Fellow will work on a project to conduct the research on development of multimodal large language models.

Key Responsibilities:

- Design of strategies for training data collection and annotation

- Development of new algorithms for multimodal information fusion such as vision, audio and text.

- Development of new algorithms for multimodal large language model training.

- Development of a workable prototype system with capabilities such as conversational information retrieval, multimodal sense making, question answering, and chain-of-thoughts.

- Publication of papers in top tier conferences and journals

- Collaboration with team members and funding agency to ensure timely and quality deliverables.

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Co-supervision of MSc and Final Year Project students involved in this project.

Job Requirement:

- PhD in Computer Science, or related field

- Strong expertise in computer vision

- Highly knowledgeable in activity recognition

- Over 3-year research experience in the above required areas

- Experiences in integrating vision and text are highly preferred.

- Excellent publication track record on top tier conferences/journals

- Proficiency in programming language Python

- Proficiency in English as need to publish papers in conferences and journals.

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