

## Research Fellow (Computer Science and Engineering) Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=232261>

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Posted Mar. 4, 2024, set to expire Jul. 4, 2024

<b>Job Title</b>	Research Fellow (Computer Science and Engineering)
<b>Department</b>	School of Computer Engineering
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Mar. 4, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Computer Engineering
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Computer-Science-and-Engineering-_R00016375">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Computer-Science-and-Engineering-_R00016375</a>
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Computer-Science-and-Engineering-_R00016375">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Computer-Science-and-Engineering-_R00016375</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

The School of Computer Science and Engineering (SCSE) invites applications for the position of Research Fellow.

Key Responsibilities:

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Conduct independent research in the field of knowledge continual transfer and multimodal compositionality based on LLM, including multi-modal compositionality, compositional reasoning with commonsense knowledge, and LLM-based compositionality understanding and reasoning.

- Develop algorithms for continuous knowledge transfer and compositional reasoning to facilitate efficient learning of new tasks.
- Collaborate with a research group member to design and implement algorithms aimed at enhancing machine intelligence through knowledge transfer and compositionality.
- Apply developed algorithms to real-world applications with sparse data
- Stay abreast of the latest research in machine learning, artificial intelligence, and related fields to incorporate new techniques into algorithm development efforts.
- Help supervise PhD, master and undergraduate students.

### Job Requirements:

- PhD degree in computer science, software engineering, mathematics, or a related field.
- Strong background in multimodal learning, natural language processing, domain adaptation, and knowledge graph, particularly in algorithm development and implementation.
- Familiarity with knowledge transfer techniques and compositionality in machine learning is highly desirable.
- Good publication track record is a must.
- Proficiency in programming languages such as Python, and experience with machine learning

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libraries (e.g., TensorFlow, PyTorch).

- Excellent problem-solving skills and ability to work independently as well as part of a team.
- Passion for applying machine learning algorithms to real-world problems, particularly in domains with limited data such as drug discovery.
- Effective communication skills and ability to convey complex technical concepts to both technical and non-technical stakeholders.

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