

Research Fellow (Theoretical Computer Science)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=231535>

Downloaded On: May. 9, 2024 1:29pm

Posted Feb. 28, 2024, set to expire Jun. 28, 2024

<b>Job Title</b>	Research Fellow (Theoretical Computer Science)
<b>Department</b>	School of Physical and Mathematical Sciences
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Feb. 28, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate Professional Staff
<b>Academic Field(s)</b>	Computer/Information Sciences Sciences - General Mathematics/Applied Mathematics
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Theoretical-Computer-Science-_R00016340">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Theoretical-Computer-Science-_R00016340</a>

**Apply By Email**

**Job Description**

The School of Physical and Mathematical Sciences (SPMS) is looking for a motivated and adaptive individual to join us as a Research Fellow to start as soon as possible. This position is funded by a Ministry of Education AcRF Tier 2 grant of Li Yi. The goal of the project is to develop new theory and algorithms for massive datasets, with a particular focus on online algorithms related to numerical linear algebra.

The College of Science seeks a diverse and inclusive workforce and is committed to equality of

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opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

### Key Responsibilities:

- Pursue cutting-edge research in algorithms for massive datasets, such as dimension reduction techniques, streaming algorithms, and online algorithms
- Writing or contributing to publications, and attending conferences and workshops, for disseminating research findings. Travel support is possible.

### Job Requirements:

- Ph.D. in theoretical computer science, mathematics, or a relevant area
- Good background of probability in theoretical computer science
- Research experience, as evidenced by a history of relevant publications, is expected. Publications in top venues are highly desired.
- Research experience in problems related to (1) metric embeddings, (2) non-asymptotic analysis of random matrices or (3) big data algorithms (such as sublinear-time algorithms, streaming algorithms and randomized numerical linear algebra algorithms) would be an advantage, but also welcome applicants with different backgrounds who are keen to apply their knowledge to new problems
- Excellent written and spoken communication skills

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We regret to inform 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**

School of Physical and Mathematical Sciences  
Nanyang Technological University  
Singapore