

Research Engineer I (Computer Science/ Programming/
Data Science)
Nanyang Technological University

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Posted Feb. 14, 2024, set to expire Jun. 14, 2024

Job Title	Research Engineer I (Computer Science/ Programming/ Data Science)
Department	Wee Kim Wee School of Communication and Information
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 14, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Computer/Information Sciences
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Engineer-I--Computer-Science--Programming--Data-Science-_R00016154-1

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Job Description

Wee Kim Wee School of Communication and Information (WKWSCI) is hiring a full-time Research Engineer I for a project investigating how information cascades in closed messaging app groups, such as Telegram.

The engineer will be developing and applying machine learning, network analysis, and multimodal data to understand information cascades in closed messaging apps. The engineer is expected to conduct data mining, network analysis and machine learning on Telegram chats to understand information

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cascades revolving national issues in closed messaging apps. The engineer will work closely with research project members at WKWSCI, to deliver algorithms that automate user classification and topic modelling, that will later serve as protocols for other topics.

Selected candidate will work closely with Assoc Prof Edson Tandoc Jr.

Key Responsibilities:

- Develop solutions for data mining of text and stickers/images/videos on Telegram
- Develop solutions to categorize Telegram users based on network topologies
- Develop machine learning models to predict user roles and information cascade patterns
- Collaborate with other researchers in a multi-disciplinary team, while work independently on given tasks

Job Requirements:

- Bachelor degree or Diploma in Computer Science, Programming, Data Science or a related field
- Preferably 2 and more years of professional programming experience
- Experience in Natural Language Processing and Computer Vision
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Experience in Network Analysis and Machine Learning

- Writing clean, readable, and easily maintainable code
- Ability to manage your own time effectively and deliver required tasks with minimal supervision
- Good teamwork skills
- Interest in applications of technology in academic research

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

Wee Kim Wee School of Communication and
Information
Nanyang Technological University
Singapore