Research Engineer II (Computer Science/Computer Engineering/Electrical Engineering/Information System)
Nanyang Technological University

Job Title	Research Engineer II (Computer Science/Computer Engineering/Electrical Engineering/Information System)
Department	College of Computing and Data Science (CCDS)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 17, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Engineer-II--Computer-Science-Computer-Engineering-Electrical-Engineering-Information-System-_R00019825
Apply By Email	

Job Description

Young and research-intensive, Nanyang Technological University, Singapore (NTU Singapore) is ranked among the world's top universities. NTU's College of Computing and Data Science (CCDS) is a leading college that is known for its excellent curriculum, outstanding and impactful research, and world-renowned faculty. Today, we are ranked #2 for AI and Computer Science by US News Best

Research Engineer II (Computer Science/Computer Engineering/Electrical Engineering/Information System)
Nanyang Technological University

Global Universities; and #8 for Data Science and AI by QS World University Ranking.

A hot bed of cutting-edge technology and groundbreaking research, the College aims to groom the next generation of leaders, thinkers, and innovators to thrive in the digital age. Located in the heart of Asia, NTU's College of Computing and Data Science is an 'exciting place to learn and grow'. We welcome you to join our community of faculty, students and alumni who are shaping the future of AI, Data Science and Computing.

Cloud Application and Platform Group is a cutting-edge research group from CCDS. It is a leading research group in the area of Cloud Media Computing, Content Delivery Networks, Data Center architecture, and Big Data analytics. We are seeking for 1 motivated Research Engineer II in the topic of "Digital Twin for Advanced Battery Analytics". The candidate is expected to take the following responsibilities:

Key Responsibilities:

- Collect and analyze battery data;

- Design, develop, and implement machine learning models using PyTorch or TensorFlow for battery applications, such as SoH/RUL predictions;

- Develop physics-based and data-driven models to characterize battery electrochemical process and health conditions;

- Work closely with team members/engineers and assist in developing new features;

- Ensure responsiveness of applications;

-

Research Engineer II (Computer Science/Computer Engineering/Electrical Engineering/Information System)
Nanyang Technological University

Diagnose the issue and resolve it on demand.

Job Requirements:

- Preferably Master or Bachelor Computer Science, Computer Engineering, Electrical Engineering, Information System or a related discipline;

- Independent, highly analytical, proactive and a team player

- Excellent teamwork and verbal, written communication skills

- Good understanding of OOPs concepts;

- Proficiency with Python;

- Familiarity with packages like NumPy, Pandas, PyTorch or Tensorflow;

- Excellent verbal communication skills and good problem solving skills;

- Able to test, debug and optimize existing code base and other features;

- Attention to detail.

We regret that only shortlisted candidates will be notified.

Research Engineer II (Computer Science/Computer Engineering/Electrical Engineering/Information System)
Nanyang Technological University

Contact Information

Contact

Singapore