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Research Assistant (Image Analysis)
Nanyang Technological University

Direct Link: https://www.AcademicKeys.com/r?job=234912
Downloaded On: Nov. 22, 2024 1:54am
Posted Apr. 22, 2024, set to expire Apr. 1, 2025

Job Title	Research Assistant (Image Analysis)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 22, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Electrical and/or Electronics Computer Science
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Assistant--Image-Analysis-_R00016863
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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.

EEE is inviting applications for the position of Research Assistant. The Research Assistant will work

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with our team to conduct research on the development of image analysis algorithms and AI methods for hardware security evaluation.

Key Responsibilities:

- Study literatures on PCB security evaluation, PCB multi-modal image analysis, and datasheet parsing.
- Data annotation and preprocessing.
- Research and develop algorithms and AI models for various computer vision tasks of PCB image analysis.
- Algorithm/model evaluation and testing.
- Maintain the integrity of the data and code base.
- Prepare documentation and report for technology transfer.
- Prepare reports and presentations for review meetings.
- Prepare and publish research papers on top-tier journals and conferences.

Job Requirements:

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Bachelor Degree in Computer Science or Electrical Engineering from reputed universities, with hands-on experience in related fields.

- Familiar with Python, PyTorch, etc.
- Experienced in image processing and machine learning.
- Excellent verbal and written communication skills.
- Proficient in literature study and can conduct research independently.
- Independent and self-motivated.
- Organized and detail oriented.
- Willing to learn.

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

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