

Research Assistant (Circuit Analysis)
Nanyang Technological University

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Posted Apr. 1, 2024, set to expire Jul. 31, 2024

Job Title	Research Assistant (Circuit Analysis)
Department	Temasek Laboratories
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 1, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Computer/Information Sciences
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Assistant--Circuit-Analysis-_R00016649-1
Apply By Email	
Job Description	

Temasek Laboratories@NTU is looking for a candidate to join them as a Research Assistant.

Temasek Laboratories@NTU explores the frontiers in science and develops strategic technologies to enhance the defence and security of Singapore. TL@NTU forms part of the defence technology community in Singapore alongside DSO National Laboratories, Defence Science and Technology Agency (DSTA), Temasek Laboratories @ NUS and @SUTD and the local defence industry.

Key Responsibilities:

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- Study literatures in hardware security, AI for hardware security, and hardware obfuscation
- Research and develop algorithms for integrated circuit (IC) analysis
- Design and develop tools to aid circuit analysis
- Software evaluation and testing
- Maintain the integrity of code base for collaboration and delivery
- 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:

- Bachelor Degree in Computer Science or Electrical Engineering from reputed universities, with at least 3-year experience in related fields
- Independent and self-motivated
- Organized and detail oriented
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Willing to learn

- Excellent verbal and written communication skills
- Proficient in literature study and can conduct research independently
- Familiar with MATLAB, Python, etc
- Experienced in hardware analysis and machine learning

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

Temasek Laboratories@NTU
Nanyang Technological University
Singapore