

Research Fellow / Engineer (Interactive speech
processing system) - TR1
Singapore Institute of Technology

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Posted Aug. 11, 2023, set to expire Jul. 5, 2024

Job Title Research Fellow / Engineer (Interactive speech processing
system) - TR1

Department Infocomm Technology

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Aug. 11, 2023

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Computer Engineering
Computer Science

Job Website <https://careers.singaporetech.edu.sg/cw/en/job/498479/research-fellow-engineer-interactive-speech-processing-system-tr1>

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Job Description

Research Fellow / Engineer (Interactive speech processing system) - TR1

Job no: 498479

Department: Infocomm Technology

Contract type: Contract

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As a University of Applied Learning, SIT works closely with industry in our research pursuits. Our research staff will have the opportunity to be equipped with applied research skill sets that are relevant to industry demands while working on research projects in SIT.

The role will be part of the research and development team to contribute to the delivery of an interactive speech processing system.

Candidates should have work experience in speech recognition and natural language processing, and a good knowledge of general machine learning, especially neural networks. Candidates with work experience in speech recognition and natural language processing will be advantageous, however training will be provided.

Key Responsibilities

- Participate in and manage the research project with Principal Investigator (PI), Co-PI and the research team members to ensure all project deliverables are met.
- Undertake these responsibilities in the project:
 - i. Help in data collection.
 - ii. Data preprocessing.
 - iii. Speech and language data processing
 - iv. Acoustic and language modelling
 - v. Machine learning model deployment

Job Requirements

- Good command of programming in any programming languages.
- Degree in EE, CS or related areas, preferably with good knowledge in speech recognition, natural language processing
- Good understanding and application experience of machine learning algorithms
- Familiar with speech decoding algorithms under the end-to-end framework will be advantageous.
- Familiar with one or more of the open-source tools such as Kaldi, Tensorflow, Pytorch will be advantageous.
- Experience in speech processing and natural language processing or other related algorithms will be advantageous.

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11 Aug 2023 Singapore Standard Time

Applications close: 31 Oct 2023 Singapore Standard Time

Contact Information

Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact

Singapore