

Research Fellow/Engineer (Interactive speech processing  
system) - TR2  
Singapore Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=220748>

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**Job Title** Research Fellow/Engineer (Interactive speech processing  
system) - TR2

**Department** Infocomm Technology

**Institution** Singapore Institute of Technology  
Singapore, , Singapore

**Date Posted** Sep. 5, 2023

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Faculty Associate

**Academic Field(s)** Electrical and/or Electronics  
Computer Engineering

**Job Website** <https://careers.singaporetech.edu.sg/cw/en/job/498494/research-fellowengineer-interactive-speech-processing-system-tr2>

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**Job Description**

## Research Fellow/Engineer (Interactive speech processing system) - TR2

**Job no:** 498494

**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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04 Sep 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