**UQ Summer Research Project Description**

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

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| **Project title:** | **Automating systematic review using artificial intelligence** |
| **Project duration, hours of engagement & delivery mode** | Project duration: 6 weeks  Position offer: 2  Hours per week: 36hours  Delivery mode: Onsite |
| **Description:** | Performing a systematic review of literature on a scientific research topic is extremely time consuming. Researchers often need to screen through thousands of irrelevant literatures to obtain a collection of relevant papers. The advance in large language model and artificial intelligence can potentially automate the screening process. The goal of this project is to compile annotated dataset, and to train a language model to automatic the screening process. |
| **Expected outcomes and deliverables:** | The applicants can expect to learn the process of dataset creation, working principal of a large language model, and how to train and fine-tune a large model for a target task.  The applicant will have the opportunity to participate in other research activities in the centre including data analysis and manuscript preparation.  Please contact the primary supervisor Associate Professor Gary Chan [c.chan4@uq.edu.au](mailto:c.chan4@uq.edu.au) before applying. |
| **Suitable for:** | This project is open to applications from students with a background in psychology, health science or biomedical research in their 3rd or 4th year. |
| **Primary Supervisor:** | Associate Professor Gary Chan |
| **Further info:** | If you would like applicants to contact your unit for further information, please provide the relevant contact details here. Please highlight if the supervisor wishes to be contacted by students prior to submitting an application. |