Faculty of Engineering  
Summer Research Program 2021-2022  

Project Title: Social Robots for Promoting Musculoskeletal Health  

Supervisor(s): Dr Pamela Carreno  
Department: ECSE  
Email: pamela.carreno@monash.edu  
Website profile of project supervisor: https://research.monash.edu/en/persons/pamela-carreno-medrano

Objective  
Support user-centered design sessions for the development of a SAR (socially assistive robot) prototype for preventive health applications

Project Details  
You will help to design and develop support material and a robot prototype for three user-centered design sessions. Additionally, you will work in the post-processing and preliminary analysis of the quantitative and qualitative data collected during the design sessions. As part of your support activities, you will:

1. Program existing robotic platforms to execute simple behaviours
2. Work in the integration of existing multimodal perception/recognition algorithms and sensors into the designed robot behaviours
3. Help with the technical setup and support prior and during the sessions

Prerequisites  
Good programming skills; experience with Python, C++, ROS, Node js; good communication skills

Additional Information  
Applicants may be required to attend an interview

Submit as a word document - no more than one page long.