

## Faculty of Engineering

### Summer Research Program 2022-2023

Project Title: Social Robots for Social Good: A Robot to Support Wellbeing for Young Adults

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#### Objective

The purpose of this project is to program and run a social robot interaction targeted for young adults that will also involve interactive elements displayed on a robot tablet touchscreen, i.e. gameful interactive learning about health and wellbeing.

#### Project Details

Students will be asked to review documents about how young adult wellbeing can be improved in digital programs. They will then be asked to learn to use a new social robotic system and design the interaction that should last no longer than 15-30 minutes. This program requires the robot to run autonomously, and people should be able to use the interaction without the need for extensive instruction. This will involve a variety of features, such as speech-to-text, gestures, tablet interactivity and sensor use. This project allows for the use of a variety of different techniques and will provide experience on the delivery of an autonomous robot-delivered program from start to finish. Support will be available for co-creation of the content delivered by the robot.

#### Prerequisites

Preferred skills: Strong interpersonal and communication skills for running an experiment.  
Good level programming skills and use of HTML/CSS.

#### Additional Information

Applicants may be required to attend an interview.