

# CS4347 PROJECT PROPOSAL EDDIE DOUNN

Smart display face detection personalization

10/10/2020

## OVERVIEW

### 1. Project Background and Description

**i** Face detection for personalized smart display. After reading about object detection and face detections I decided that I would like to use face detection to display personalized information onto a smart display. Providing multiple people of one household to utilize one screen to show them personalized information.

### 2. Project Scope

**i** Open source smart displays using Raspberry Pi's are becoming popular. However, once setup it displays the same information at all times and for only one user. Implementing face detection will allow multiple people in the house to use the same display and see their own personalized information.

### 3. Progress

**i** Researching face detection as well as smart display open source projects to find a suitable platform to build a user system into as well as using face detection to change the user since a smart display has no buttons. Github project started at <https://github.com/edounn>.

### 4. Preliminary plan

Milestone	Date
Researching and project proposal	10/10/2020
Choosing opensource framework for project	10/10/2002
Implement user switching and face detection	11/1/20
Intermediate project report	11/1/2020
Final Project / presentation	12/1/2020