# PHOTO SELECTION GUI V 1.0.0 - GUIDE

## INTRODUCTION

This GUI (GitHub link: https://github.com/Brad-Davy/photoSelectionGUI) was built to remove and blur images taken from a drone. The code works by first using the Yolo algorithm () to detect images with a person in them. It then removes these images from the image directory. Then, the remaining images are processed using openCV to blur any remaining images with a face in.

## HOW TO USE

First clone the directory from GitHub using:

```
git clone git@github.com:Brad-Davy/photoSelectionGUI.git
```

then move into the directory containing the code using

```
cd photoSelectionGUI
```

now run the GUI by

```
python3 app.py
```

which should open the following screen.

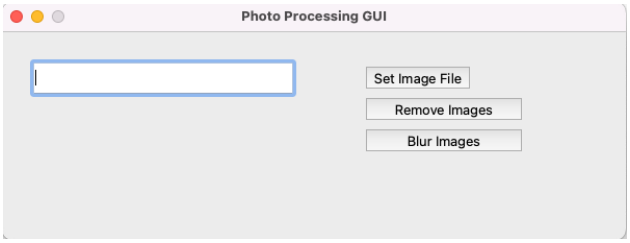


**Figure 1:** Screenshot of the GUI.

First set the image directory by typing in the text box the path to your images; this can be a local path or a global path. After typing the full path, click the `Set Image File` button. Then click the `Remove Images` button, this button runs the Yolo algorithm and detects images with people in. These images are then removed from the image directory; this process can not be undone. This can take a number of minutes, depending on the number of files being processed. Finally, click the `Blur Images` button, which uses OpenCV's built-in face detection to check the remaining images for an image with a face. If an image with a face is found, then the face is blurred.