

1. Intelligent Simple Object Detection and Anonymous Privacy Protection Feature for unclassified images/photographs loaded to a project and gallery
Swipe or Blur rule

notes: I believe I am qualified to work on any of the project options that we will be working on this semester. This one is the most interesting to me because it has an interesting use case. Protecting peoples identity and private information seems like it will become more and more relevant as time goes on. I worked on a model for a class project that did rapid face detection is still images and then estimated their age based on that face. This project seems like it will likely use similar models.

Many of the other models or programs involved, such as the auto-tagging and text recognition models I am not experienced with and don't have a plan for them as of now.

2. Deep Learning-Driven 3D Reconstruction, Data Synthesis, and Size Estimation for Road Signs
3. Reinforcement Learning for Road Sign Detection and False Positive Elimination
4. Deep Learning for Estimating Lane Line Quality Using Retroreflectometer Ground Truth