CMPE 258, Fall 2021
Team members: Tom Casaletto, Alex Dodd

We choose to study Python and Neural Network implementations which address the general problems in Video Object Tracking (VOT). Specifically, we plan to connect an object tracker to an object discriminator. The planned problem area will be to detect and classify street signs from a visible camera mounted on an automobile.

The tracker will consist of a correlation-class tracker which operates at ~100Hz and will correlate consecutive frames such as:
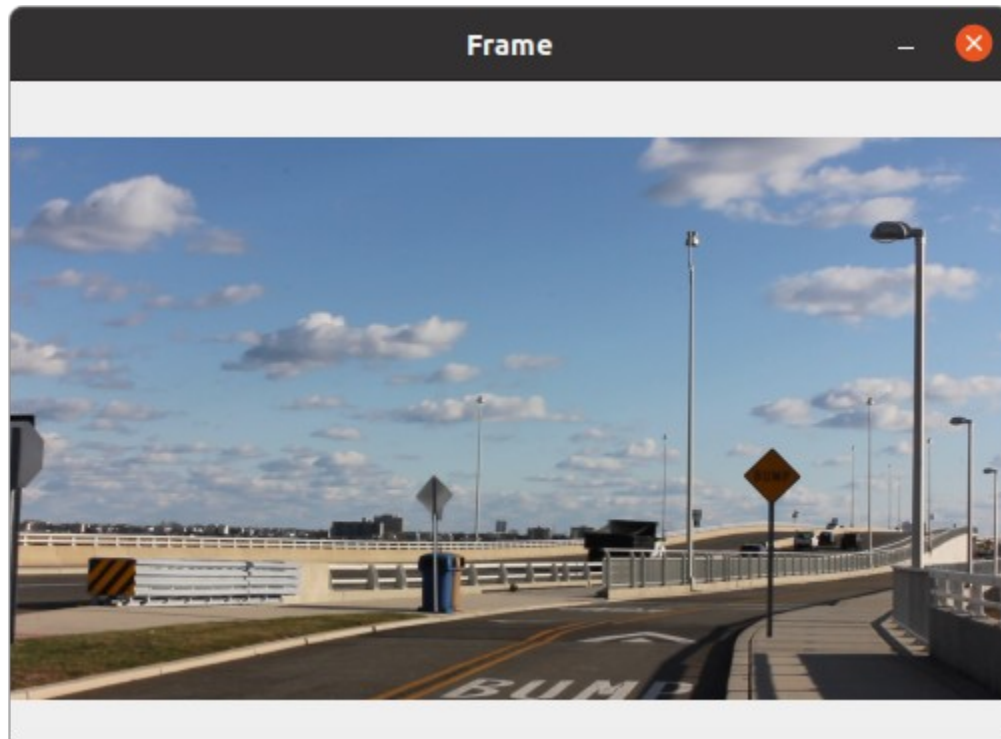
The classifier will use a binary classification neural net architecture such as the following:
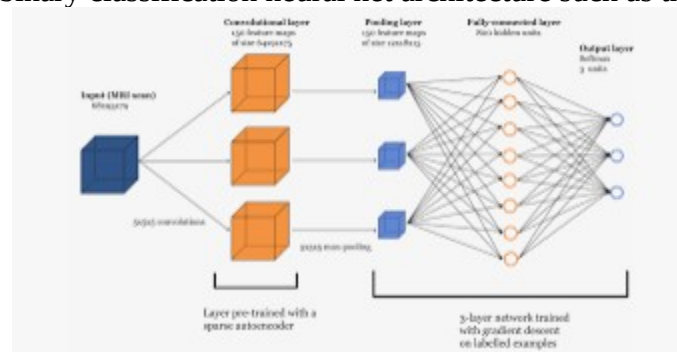
Proposed project deliverables
- this project proposal summary
- presentation slides for class presentation
- GitHub repository access for code samples