# **Traffic Light Detector and Tracker**

Tyler Burdick Michael Loftus

[tburdick@umich.edu](mailto:tburdick@umich.edu) [loftusmi@umich.edu](mailto:loftusmi@umich.edu)

Matthew Sussman

[mattsuss@umich.edu](mailto:mattsuss@umich.edu)

**Abstract**

# **Introduction**

## **Problem**

## **Life Impact**

## **Using Computer Vision**

## **Related Work**

## **Summary Methods**

# **Approach**

## **Traffic Light Detector**

## **Color Detector**

## **Traffic Light Tracker**

# **Experiments**

## **Data**

## **Metrics**

## **Qualitative Results**

## **Quantitative Results**

# **Implementation**

# **References**