**California State University San Bernardino**
**School of Computer Science and Engineering**
**CSE 575 Internship in Computer Science**


**<u>Date</u>**
**June 1, 2020**

**<u>Time</u>**
**10:00 AM**

**<u>Location</u>**
**Zoom:** <u>https://csusb.zoom.us/j/9235718538</u>

**<u>Title</u>**
**Caltrans Internship – Freeway CCTV Camera Web Map**

**<u>Student</u>**
**Andrew Loop-Perez**

**<u>Advisor</u>**
**Dr. Yan Zhang**


**<u>Abstract</u>**

**I will be presenting on my internship with the California Department of Transportation (Caltrans). Over the course of this internship I have worked on the development of a web application for monitoring and interacting with Caltrans freeway CCTV cameras. This web page displays a map of Southern California with markers representing the many CCTV cameras located throughout the San Bernardino and Riverside counties. The markers are color coded to represent the current operational status of the cameras (online or offline). Code running on the back end periodically checks each camera and determines its status. The map markers are then updated in real time to properly reflect any changes in the statuses of the cameras.**