

CprE/SE 491 Weekly Report 8

Dates: 3/9/2017 - 3/15/2017

Dec1709 - ALVINN

Autonomous Vehicle Mission Processor with Machine Learning

Team Leaders:	Bijan Choobineh Darren Davis	Advisors:	Dr. Jones & Dr. Zambreno
Communicator:	Tracy La Van	Client:	Josh Bertram - Rockwell Collins
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Webmaster:	Robert Stemig		

Weekly Summary:

The group finished the first version of the design document and submitted it. There were no meetings this week due to midterms and spring break. Group members available over spring break will meet to work on OpenCV, TensorFlow, etc.

Past Week Accomplishments:

- **As a Group:** Worked on the Design Document version 1.

Pending Issues:

- **As a Group:** N/A

Plan for Coming Week:

- **Bijan Choobineh:** Feature detection via OpenCV
- **Darren Davis:** Feature detection in OpenCV
- **Tracy La Van:** Will work on OpenCV - getting the code what others have had success with working on my personal computer.
- **Jesse Luedtke:** Will figure out what's specific frameworks work for the NVIDIA Jetson TX1
- **David Schott:** Creating my own Haar Cascade to be used in OpenCV for detection of crosses.
- **Robert Stemig:** OpenCV feature detection, getting up to speed with work done over break by other members

Individual contributions:

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours This Week</u>	<u>Cumulative Hours</u>
Bijan C.	Design Document	3.0	35.5
Darren D.	Design document	3.0	38.0
Tracy L.	Design Document	3.0	31.5
Jesse L.	Design Document	3.0	34.0
David S.	Design document	3.0	22.0
Robert S.	Design Document	3.0	32.0
Totals:		18.0	193.0