

EE / CprE / SE 492 – sddec18-12

360 Webcams for Zoos and Aquariums

Week 14-15 Report: 2018.11.20 - 2018.12.03

General Information

Client: True 360 (Christopher James)

Faculty Advisor: Dr. Henry Duwe

Team Members:

<u>Name</u>	<u>Primary Role</u>	<u>Secondary Role(s)</u>
Nathan Cool	Front-End Engineer	Project Manager, Webmaster
Zach Newton	Front-End Engineer	Scrum Master, QA
Ian Jamieson	Machine Learning	Graphics Lead
Alan Negrete	Front-End/Back-End	Scribe, QA
Tarek (TJ) Yacoub	Embedded Engineer/SRE	Communication Lead, QA
Hosam (Sam) Abdeltawab	Embedded Engineer	Software Architect

Weekly Summary

Week 14 and 15 are the final two weeks leading up to the end of our senior design project. Our team has been focusing on wrapping up all final project development and documentation, as well as preparing for our final presentation to the Industry Review Panel and Senior Design Committee.

Past Week Accomplishments

Nathan: Completed the final report, final poster, and final presentation documents for end-of-the semester evaluation and submission. Updated the team website, ensuring all documents are organized for the IRP, SDC, and archives. Worked with team to prepare for our final presentation and demo by practicing our presentation and project setup process. Overall, ensured that the team was properly prepared to finish the semester on a strong note.

Zach: Added the True 360 logo to the web app. Polished the experience of the web app in a few places. Squashed a few bugs in the web app that were reported by the client. Helped refine/review the final poster.

Ian: Worked on the final poster and final report. Worked on fixing a few bugs with the computer vision aspect of the project.

Alan: Added the option to give newly recorded videos a name. Updated the archived table to also show the video name. Resolved a bug when logging out, not clearing state. Worked on documentation for the project.

TJ: Worked on the final poster and final report. Working on adding names for archived video. Attempting to test on an embedded board and an actual camera.

Sam: Worked on final poster and reports. Some docker things.

Recent Group/Client/Advisor Meetings

<u>Date, Time, Location</u>	<u>Participants</u>	<u>Details</u>
2018.11.27, 15:00 - 16:00, Atanasoff 223	Team + Advisor	General meeting
2018.11.29, 14:00 - 15:00, Atanasoff 213	Team + Client	General meeting; received Garmin camera and RPi for testing/demo
Our team will meet during dead week to continue preparing for our IRP presentation and poster session demonstration.		

Pending Issues

Nathan: Waiting for ISU Printing Services to finish laminating our final poster.

Zach: N/A

Ian: N/A

Alan: N/A

TJ: Using docker on the embedded board might not work.

Sam: N/A

Individual Contributions

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours This Week</u>	<u>Total Hours</u>
Nathan Cool	SEE PAST WEEK ACCOMPLISHMENTS	25	120
Zach Newton		18	107

Ian Jamieson		14	110
Alan Negrete		15	101
Tarek (TJ) Yacoub		20	127
Hosam (Sam) Abdeltawab		15	107

Upcoming Plans

Nathan: During dead week, I will work with the team to continue preparing for our IRP presentation and poster session demonstration. During finals week, I will help transfer our project resources to our client so he can continue development after the semester ends.

Zach: Prepare for presentation and handle any last minute bugs that pop up.

Ian: Prepare for presentation and finalize demo.

Alan: Prepare for IRP and work on documentation/presentations.

TJ: Prepare for IRP presentation and finalize demo.

Sam: Prepare for presentation and submitting code for client.