

EE/CprE/SE 492 SDDec19-10

Programmable Holiday Lights

Week 7 Report

11/23/19 - 12/06/19

Client: Dr. Tom Daniels and Wife

Advisor: Dr. Tom Daniels

Team Members:

Jake Grace - Software Lead

Joe Nunez - Meeting Scribe

Chad Griggs - Report Manager

Valery Smith - Signal Processing Specialist

Thien Nguyen - Front End Dev/Web Master

Steven Williams - Hardware Lead

Past Week Accomplishments:

- The Camera Pi was put into the new case
- We made and submitted the poster design

Pending Issues

- Waiting for the poster so we can mount it to the foam core
- Getting ready for the presentation and finalizing the report
- Making sure the project is ready for the next group

Plans for Coming Weeks

- This is the END
- Next week is the IRP and Poster session on Wednesday, 12/11 at 2:30
- The final report is also due on Tuesday

Individual Contributions

Team Member	Weekly Contribution	Weekly Hours	Total Hours
Jake Grace	Updated the website page for easy reading and updates. Fixed bugs with file movement (save/load). Gathered new calibration data. Documentation and poster and started report.	15	64
Joe Nunez	Updated the treesolv code to account for an image rotation and camera coordinate system with Dr. Daniels. Worked with jake to get training data of a few LEDs. Met with the team, updated the MasterMain.py file to handle lost LEDs during calibration to stop it from crashing. Tested calibrated tree data with some patterns and it looks pretty good. Worked on the poster.	8	48
Thien Nguyen	Worked on poster (Colorization/Placement), met with team. Assisted Jake in light-detection determination (behind/through the tree issues). Minor Website CSS configuration.	8	32
Chad Griggs	Worked on the poster. Started working on the final report. Installed the CameraPi in the new case.	8	38
Valery Smith	Created a loop in the MasterMain program, fleshed out functions in MasterMain. Added live update functionality. Tied calibration program to website. Worked on presentation. Helped Debug website and MasterMain. Met with team.	14	50
Steven Williams	Fixed some parts of the website that broke, helped with calibration and display of the data. Worked on documentation and the poster.	10	58