

EE / CprE / SE 492 – sdddec19-12

Campanile-Carillon Model Phase II

Jan 2019 – Dec 2019

Client: Dr. Tin-Shi Tam

Faculty Adviser: Dr. Gary Tuttle

Bi-Weekly Report 12

September 30 - October 11

Team Members

Ryan Roltgen – Software Engineering – Meeting Scribe

Sam Habel – Computer Engineering – Meeting Facilitator

Yicheng Hao – Electrical Engineering – Power Systems Lead

Gabe Stackhouse – Software Engineering – Software Lead

Kienan Otto – Computer Engineering – Report Manager

Grant Mullen – Computer Engineering – Integration Manager

Weekly Summary

The Learning Fair was on Oct. 8th for the Campanile project, which was about an hour long of outreach for our project so that different counties will have some interest in having the Campanile come to their county once the project is completed. Our monitor finally arrived on Oct. 10th, which means that we can start testing our program on our new monitor and fix any issues that might arise from the widescreen view that our monitor has.

Past Two Week Accomplishments

- Continued work on PDF viewing for sheet music - Kienan
- Modified menu options - Kienan
- Optimized serial communication for light bar - Ryan & Gabe
- Attended Learning Fair - Kienan, Ryan, Gabe
- Researched battery options - Yicheng & Grant
- Made progress on rewriting Arduino code - Sam and Grant

Pending Issues

- Time constraints to get the light bar to work properly

Individual Contributions

Team Member	Contributions	Weekly Hours	Total Hours
Ryan	Worked more on the light bar. Made some small UI changes to make the game look nicer. Attended the Learning fair on Oct. 8th	7	78
Sam	More work done on Arduino code update. Worked on getting LED colors to change after update.	5	63
Yicheng	Have a meeting with the Doctor Tuttle. Search for all-in-one batter solution.	5	65
Gabe	Attended learning fair, set up demo equipment. Continued debugging issues with the light bar. Arranged meetings with clients, mentors, and club members.	7	77
Kienan	Implemented SelectionState for PDF selection. Cleaned up title appearance. Demo'd at the learning fair.	7	64
Grant	Met with Dr. Tuttle to discuss final, simplified battery solution.	5	56

Plans for the Upcoming Two Weeks

- Test the new monitor
- Come to a decision on the battery solution for the project
- Look at mounting options for the monitor with the ME teams
- Research PDF->Image conversion for displaying PDF sheet music
- Finish new Arduino code
- Pick monitor for info station
- Final touches on debugging the light bar