## *EE/CprE/SE 492 WEEKLY REPORT 5*

## *Availability Prediction Based on Multi-Context Data*

## *Week 5 Report*

**3/2/19-3/8/19**

**sdmay19-33**

**Client & Advisor: Goce Trajcevski**

## *Team Members:*

**Justice Wright: Report Facilitator**

**Shane Impola: Scribe**

**Noah Chicchelly: Meetings and Communications Facilitator**

**Nick Schmidt: Software Systems Engineer**

**Tristan Anderson: Network Systems Engineer**

**Brendon McGehee: Hardware Systems Engineer**

## *Weekly Summary*

The boards arrived this week. This meant a lot of hours spent soldering by our hardware team and the enactment/revision of a testing process for the finished boards. Meanwhile backend team finished some testing and validation as well. Most of the team is now transitioning towards algorithm development or adjacent testing documentation.

## *Past Week Accomplishments*

Soldering - Brendon

- Soldered all microcontroller header pins
- Soldered all seat and table boards
- Made sensor cables that were compatible with board

Test Scoping - Justice

- Realized a lacking in our planned tests for our PCB design
- Documented plans for testing the assembled boards

Algorithm & Integration - Noah

- Started talks with Nick about realistic algorithm expectations
- Integration from front to backend has begun

Communication & Server - Shane

- Polished endpoint implementation, started adding features
- Continued to work on implementing a dummy algorithm

Communication - Tristan

- Began formal testing of backend endpoints
- The former point involved testing and modification of the front end as well


Algorithm Development - Nick

- Worked with Tristan to resolve some minor front end issues
- Worked with Noah and Shane on algorithm first draft


## *Hours Report*

| *Team Member* | *Weekly Hours* | *Total Hours* |
|---|---|---|
| Justice Wright | 4 | 21 |
| Shane Impola | 4 | 21 |
| Noah Chicchelly | 5 | 24 |
| Nick Schmidt | 4 | 21 |
| Tristan Anderson | 5 | 22 |
| Brendon McGehee | 6 | 25 |

## *Upcoming Week*

**Brendon**
- Continue to make enclosure modifications
- Start testing board functionality
- Begin coding microcontroller for sensor use

**Justice**
- Continue to assist in board and enclosure assembly/modification
- Test boards according to new standards

**Noah**
- Clean up additional endpoints on server side, make sure it is fully functional
- Server side / DB completion

**Shane**
- Add backend features, optimize database
- Finish dummy algorithm implementation

**Tristan**
- Final evaluation of backend/front end dynamic
- Transition to algorithm development fully

**Nick**
- Continue research into analysis and algorithm design