

EE / CPRE / SE 491

Sheet Vision

Iteration 11 Report

9/13/2019 - 9/27/2019

Student suggested Project

Faculty advisor: Alexander Stoytchev

Team Members:

Bryan Fung — Frontend, Software Engineering

Garrett Greenfield — Front end, Software Engineering

Ricardo Faure — Frontend/Backend, Software Engineering

Trevin Nance — Machine vision, Software Engineering

Walter Svenddal — Machine vision, Software Engineering

Past Week Accomplishments:

- Migration from AWS EC2 Box to AWS Lambda started.
- Mobile Development started.
- Github has been refreshed with new Mobile Development project.

Pending issues:

- Camera on mobile isn't scaling with display.

Individual Contributions

| <u>Team Member</u> | <u>Individual Contributions</u> | <u>Hours this week</u> | <u>Total Hours</u> |
|--------------------|--|------------------------|--------------------|
| Bryan Fung | Worked on implementation of piano animations on mobile | 3 | 48 |
| Garrett Greenfield | Worked on implementation organization for front end | 3 | 43 |
| Ricardo Faure | Research on Android Development Tools | 5 | 58 |
| Trevin Nance | Worked on changing how clef lines and measures are worked with octaves and accidentals | 4 | 59 |
| Walter Svenddal | Audio note detection research | 5 | 50 |

Plans for Coming Week:

- Whole Team:
 - Prepare for PIRM.
- Bryan Fung:
 - Worked on mobile animations
 - Assist Garrett on mobile microphone
- Ricardo Faure:
 - Finish Setting up AWS Lambda and API Gateway with our openCV Scripts
 - Fix Camera Scaling
 - Test MIDI package for npm projects on mobile.
- Garrett Greenfield:
 - Get the mic usable for the application
- Trevin Nance:
 - Finish changing how octaves work, setup a test to take an image from picture to MIDI
- Walter Svenddal
 - Begin research on CV note recognition
 - Assist Trevin with integrating our individual code bases