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# Weekly Report No. 10

Artwork Super-resolution Scanning Application

04/23/023 – 04/30/2023

*Isaac Plambeck • Reece Dodge • Samuel Schaphorst • Garrett Powell*

*Client/Advisor: Dr. Thomas Daniels*

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## Weekly Summary

The group's primary focus this week was gearing up for our faculty panel presentation. We constructed the presentation, finalized the website, and finalized our design document. We also began working on our script for the presentation.

## Past Week Accomplishments

### As a Group
- Design Document Finalized
- Working on Final Presentation

### Isaac – *Software Development Lead*
- Created a full display in an application of the current working algorithm we have for the cropping and perspective change. This is done using OpenCV and tkinter windows. Allowing for the uploading of "any" painting (with a white background) to be processed through the cropping.

### Reece Dodge – *Project Lead*
- Worked on the faculty panel presentation and design document

### Samuel Schaphorst – *Testing/Quality Assurance Lead*
- Did final touches on the PowerPoint presentation
- Worked on acquiring pantone cards

Garrett Powell – *Electrical Design Lead*
- Worked on final presentation and design document finalizations.
- Worked with various noise suppression methods (i.e. median filters). May be potential applications with our project.

## Individual Contributions

| *Team Member* | *Contributions* | *Hours - This Week* | *Hours - Cumulative* |
|---|---|---|---|
| **Isaac Plambeck**<br><br>*Software Development Lead* | • Worked on getting a working application of current cropping algorithm<br>• Website Update for the Final Submission<br>• Design Document Work<br>• Final Presentation Work | 10 | 52 |
| **Reece Dodge**<br><br>*Project Lead* | • Design document work<br>• Final presentation work | 6 | 34 |
| **Samuel Schaphorst**<br><br>*Testing/Quality Assurance Lead* | • Design doc work<br>• Final ppt work<br>• Border detection work<br>• Pantone acquisition | 6 | 43 |
| **Garrett Powell**<br><br>*Electrical Design Lead* | • Design Document work<br>• Final presentation work<br>• Noise suppression | 10 | 42 |

## Plans for the Upcoming Week

### As a Group
- Present to the faculty panel

### Isaac
- Finish Final Presentation
- Fix bugs and shorten some code in the application

### Reece
- Final presentation

### Samuel
- Have presentation ready for faculty panel

### Garrett
- Final presentation

# Summary of Weekly Advisor Meeting

In the meeting this week we talked about placing an order for the Pantone cards that we plan to use for color correction. Along with that we demoed the current state of the application to Dr. Daniels. We also talked about our plans for the final presentation and have planned to practice our presentation with Dr. Daniels in next week's meeting.