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Biweekly Report No. 6

Artwork Super-resolution Scanning Application

11/8/2023 – 11/22/2023

Isaac Plambeck • Reece Dodge • Samuel Schaphorst • Garrett Powell

Client/Advisor: Dr. Thomas Daniels

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Biweekly Summary

Past Weeks' Accomplishments

As a Group
- Tested program with new data involving printed aruco markers in corners

Isaac – *Software Development Lead*
- Worked on combining color correction code with base app
- Also worked on cleaning up the app code and cropping code to be more consistent.

Reece Dodge – *Project Lead*
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Samuel Schaphorst – *Testing/Quality Assurance Lead*
- Worked with integration of median code into full program
- Collected new data with printed arucos and tested it
- Worked on documentation

Garrett Powell – *Electrical Design Lead*
- Made finalizations to color correction
- Assisted with various troubleshooting
- Worked on documentation

Pending Issues

As a Group
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Isaac
• None

Reece
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Samuel
• Printed aruco corners cannot be detected

Garrett
• Color correction is still slow

Individual Contributions

Team Member	Contributions	Hours - This Week	Hours - Cumulative
Isaac Plambeck *Software Development Lead*	• Base app work with color correction and cropping algorithm	15	40
Reece Dodge *Project Lead*	•	4	18
Samuel Schaphorst *Testing/Quality Assurance Lead*	• Median integration • Data collection • Docuementation	6	30
Garrett Powell *Electrical Design Lead*	• Finalizations to color correction • Documentation work • Assistance with various troubleshooting	8	44

Comments and Extended Discussion

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Plans for the Upcoming Weeks

Isaac

- Fix Aruco Marker detection algorithm on printed aruco markers.

Reece

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Samuel

- Help with integration and fix printed aruco markers

Garrett

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Summary of Weekly Advisor Meeting

Did not meet