

## Van Gogh via the Rainbow, Beyond RGB 2.0

October 26th 2023 – November 2nd 2023

<b>Progress</b> <ul style="list-style-type: none"><li>• Updated graph to show actual and expected values (Sam)</li><li>• Started on what is needed for jpeg2000 image file creation (Rob)</li><li>• Target patch shows up correctly after backtracking from error (Jacob)</li><li>• Implemented a basic way of doing batch processing (Jon)</li></ul>	<b>Risks</b> <ul style="list-style-type: none"><li>• Multiple people working on batch processing could lead to merge conflicts</li></ul>
<b>Plans</b> <ul style="list-style-type: none"><li>• Create a jpeg2000 through the backend (Rob)</li><li>• Add new page on the frontend to upload images for batch processing (Sam)</li><li>• Make “Stop Processing” button (Jacob)</li><li>• Add everyone to project website organization (Jacob)</li><li>• Create Figma for proposed frontend changes(Sam)</li><li>• Write document to opt into Sr project awards (Sam)</li><li>• Work on improving efficiency of batch processing (Jon)</li><li>• Have all batch processed images output to the same folder (Jon)</li></ul>	<b>Needs</b> <ul style="list-style-type: none"><li>• Additional custom reference data if possible</li></ul>

## Van Gogh via the Rainbow, Beyond RGB 2.0

October 19th 2023 – October 26th 2023

<b>Progress</b> <ul style="list-style-type: none"><li>• Sent instructions for Rawspeed(Sam)</li><li>• Investigated the graphing libraries used on the front end (Sam)</li><li>• Got system to process multiple images in a row (Jon)</li><li>• Initial ideas for how to implement batch processing (Jon)</li><li>• Discussions about deliverables for this semester (Team)</li><li>• Environment fixed (Josh)</li></ul>	<b>Risks</b> <ul style="list-style-type: none"><li>• <b>HALLOWEEN MEETING?! OOKY SPOOKY</b><ul style="list-style-type: none"><li>o Alt text: Halloween meeting?! ooky spooky</li></ul></li></ul>
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<b>Plans</b> <ul style="list-style-type: none"> <li>• Sprint 2 (Team)</li> <li>• Update graphs to have different icons for expected and actual</li> <li>• Attempt to get system to process multiple images in a row (Jon)</li> <li>• Create more formal plan for batch processing (Jon)</li> <li>• Work on choice of output image file format task (Rob)</li> <li>• Review all PR's (Team)</li> <li>• Finish backtracking functionality (Jacob)</li> <li>• Organize more thoughtful Error messages (Josh)</li> </ul>	<b>Needs</b> <ul style="list-style-type: none"> <li>• Info Session on BeyondRGB under the hood</li> <li>• Additional test data for batch processing <ul style="list-style-type: none"> <li>○ Multiple art images with the same target, flatfield and darkfield images</li> </ul> </li> </ul>
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## Van Gogh via the Rainbow, Beyond RGB 2.0

October 12th 2023 – October 19th 2023

<b>Progress</b> <ul style="list-style-type: none"> <li>• Rawspeed running on Sam's machine (Sam)</li> <li>• Finished work on reflectance csv update, awaiting code review (Rob)</li> <li>• Investigated the "outOfMemory" error (Josh)</li> <li>• Fully finished Target Coordinate task (Jon)</li> <li>• Started investigation into batch processing viability (Jon)</li> <li>• Finished most of backtracking task (Jacob)</li> <li>• Filed out midterm retrospective sheet (Team)</li> </ul>	<b>Risks</b> <ul style="list-style-type: none"> <li>• Figuring out what direction to take with batch processing <ul style="list-style-type: none"> <li>○ Parse C++ code and implement batch</li> <li>○ Hook Python up to Frontend and fix calibration</li> </ul> </li> <li>• Environment set up continues to be an issue, some team members found that the build breaks after multiple tries</li> </ul>
<b>Plans</b> <ul style="list-style-type: none"> <li>• Clarify what sponsor wants for backtracking functionality (Jacob)</li> <li>• Clarify acceptance criteria for the stop processing button functionality (Josh)</li> <li>• Do code reviews and merge PRs for first sprint</li> <li>• Break down batch processing into smaller steps (Team)</li> <li>• Start work on updating marker shape in scatter plots (Sam)</li> </ul>	<b>Needs</b> <ul style="list-style-type: none"> <li>• Ensure the correct version of a package is installed</li> <li>• Info Session on BeyondRGB under the hood</li> </ul>

<b>Progress</b> <ul style="list-style-type: none"><li>• Began work on Reflectance CSV update (Rob)<ul style="list-style-type: none"><li>◦ Concern: Reflectance CSV may end up having two columns of data, one for values 0-1, another 0-100; (other solution is to add a different UI component)</li></ul></li><li>• Began work on getting RawSpeed working (Sam)</li><li>• Basic implementation of Target Coordinates working (Jon)</li><li>• Began work on updating the output logs, giving the user more verbose (and current) output (Josh)</li></ul>	<b>Risks</b> <ul style="list-style-type: none"><li>• Figuring out what direction to take with batch processing<ul style="list-style-type: none"><li>◦ Parse C++ code and implement batch</li><li>◦ Hook Python up to Frontend and fix calibration</li></ul></li><li>• Rawspeed not working properly - Almost fixed!</li><li>• Lack of motivation during break and because of midterms</li></ul>
<b>Plans</b> <ul style="list-style-type: none"><li>• All team members to individually fill out and review Midterm Evaluation doc</li><li>• Figure out how to compile RawSpeed as a library and add it to libraw (Sam)</li><li>• Fix issues with back button when setting up image processing (Jacob)</li><li>• Update project website. Work on setting up scheduled deployments (Jacob)</li><li>• Finish up Target Coordinates: Make look nicer, apply to Verify target, look into units (Jon)</li><li>• Finish Reflectance CSV story (Rob)</li><li>• Update the error logs so that the users can find where the errors occurred. (Josh)</li></ul>	<b>Needs</b> <ul style="list-style-type: none"><li>• Info session on BeyondRGB under the hood</li></ul>

## Van Gogh via the Rainbow, Beyond RGB 2.0

September 28 2023 – October 5th 2023

<b>Progress</b> <ul style="list-style-type: none"><li>• Set up dev branch (Rob)</li><li>• Delegated stories (Team)</li><li>• Finish Final Plan (Team)</li><li>• All dev environments running properly (sans rawspeed) (Team)</li></ul>	<b>Risks</b> <ul style="list-style-type: none"><li>• Figuring out what direction to take with batch processing<ul style="list-style-type: none"><li>○ Parse C++ code and implement batch</li><li>○ Hook Python up to Frontend and fix calibration</li></ul></li><li>• Rawspeed not working properly</li><li>• Concerns on ability to get stories done in one sprint</li><li>• Concerns on ability to estimate story effort with low codebase knowledge</li></ul>
<b>Plans</b> <ul style="list-style-type: none"><li>• Begin work on Color Calibration story (Jon)</li><li>• Begin work on Reflectance CSV update (Rob)</li><li>• Begin work on frontend backtracking story (Jacob)</li><li>• Begin work on “Out of memory error readability” story (Josh)</li></ul>	<b>Needs</b> <ul style="list-style-type: none"><li>• Sam to determine which story she wants to work on</li><li>• Each team member needs to set up their own dev branch off of <code>beyond_rgb_2.0</code></li><li>• To log any errors, bugs, and unreadable error messages, including steps to reproduce, as they are encountered (Leah and Susan)</li></ul>

## Van Gogh via the Rainbow, Beyond RGB 2.0 2023

September 21th 2023 – September 28th

<b>Progress</b> <ul style="list-style-type: none"> <li>• Set up team project board (Sam)</li> <li>• Create Development Methodology deliverable (Sam)</li> <li>• Project website created (Jacob)</li> <li>• Created agenda for Tuesday (Team)</li> <li>• Created Domain Model deliverable (Jon)</li> <li>• Created Process and Project Metrics deliverable (Jon)</li> <li>• Planned out possible solution for calibration instability (Jon)</li> <li>• Updated Final Plan Document (Team)</li> </ul>	<b>Risks</b> <ul style="list-style-type: none"> <li>• Figuring out what direction to take with batch processing <ul style="list-style-type: none"> <li>○ Parse C++ code and implement batch</li> <li>○ Hook Python up to Frontend and fix calibration</li> </ul> </li> <li>• Sam will be out for Grace Hopper Conference 9/26 &amp; 9/28</li> <li>• Rawspeed not working properly</li> <li>• Access to GitHub</li> </ul>
<b>Plans</b> <ul style="list-style-type: none"> <li>• Delegate (and review) user stories for the first sprint, so everyone gets familiar with code base</li> <li>• Create Final Plan (Team)</li> <li>• Create Milestones and Deliverables (Jon)</li> <li>• Get Rawspeed to work</li> </ul>	<b>Needs</b> <ul style="list-style-type: none"> <li>• Access to Github Repo</li> </ul>

## Van Gogh via the Rainbow, Beyond RGB 2.0 2023

September 14th 2023 – September 20th

<b>Progress</b> <ul style="list-style-type: none"> <li>• Got C++ and javascript projects built and running</li> <li>• Working on setting up both projects locally (Jacob)</li> <li>• Investigated calibration instability (Jon)</li> </ul>	<b>Risks</b> <ul style="list-style-type: none"> <li>• Project is split between C++ and Python releases</li> <li>• Sam will be out for Grace Hopper Conference 9/26 &amp; 9/28</li> <li>• Low Team Experience with C++</li> <li>• Rawspeed not working properly</li> </ul>
<b>Plans</b> <ul style="list-style-type: none"> <li>• Set up team project board (Sam)</li> <li>• Create Github Pages website (Jacob)</li> <li>• Create Development Methodology deliverable (Sam)</li> <li>• Create Domain Model deliverable (Jon)</li> </ul>	<b>Needs</b> <ul style="list-style-type: none"> <li>• Access to Github Repo</li> <li>• Access to Google drive from Sponsor</li> </ul>

<ul style="list-style-type: none"> <li>● Create Process and Project Metrics deliverable (Jon)</li> <li>● Write project synopsis (Rob)</li> <li>● Finalize tools and techniques and submit deliverable</li> </ul>	
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## Van Gogh via the Rainbow, Beyond RGB 2.0

September 5th 2023 – September 14th 2023

<b>Progress</b> <ul style="list-style-type: none"> <li>● First sponsor meeting (Team)</li> <li>● Send out weekly agenda(Josh)</li> <li>● Completed team activity</li> <li>● Understand requirement priorities (Team)</li> <li>● Established Team Roles (Team)</li> </ul>	<b>Risks</b> <ul style="list-style-type: none"> <li>● Project is split between C++ and Python releases</li> <li>● Sam will be out for Grace Hopper Conference 9/26 &amp; 9/28</li> <li>● Low Team Experience with C++</li> </ul>
<b>Plans</b> <ul style="list-style-type: none"> <li>● Get backend and frontend to build completely(Team)</li> <li>● Start up a backlog (Team), first need to be added as members to repo</li> <li>● Create more questions to ask the Sponsor (Team)</li> <li>● Set-up Team website (Team)</li> </ul>	<b>Needs</b> <ul style="list-style-type: none"> <li>● Access to Github Repo</li> <li>● Access to Data drive from Sponsor</li> </ul>