

Combined Mining Timeline and Effort Matrix								
Milestone	Task Type	Task Description	Start Date	End Date	Estimated Hours	Austin	Steven	
1. Determine scope and design of project	Planning/Design	Determine Software to use, and overall plan with goals for the project	Aug 23rd 2021	October 15th 2021	10	50.00%	50.00%	
2. Setup Raspberry Pi 4 web server	Dev Setup	Setup Rpi4 for web development to assist in the creation of the web app	October 15th 2021	October 22nd 2021	4	100.00%	0.00%	
3. Determine what Information is needed for analysis	Research	Find what information is wanted by miners, blockchain analyst and others who use the app	October 22nd 2021	November 26th 2021	2	50.00%	50.00%	
4. Research how to connect to APIs	Development	Determine how to connect to mining pool APIs to access data	October 22nd 2021	November 26th 2021	6	20.00%	80.00%	
5. Design a DB	Development	Design a database that stores the data from the API	October 22nd 2021	November 26th 2021	4	0.00%	100.00%	
6. Develop backend for the web server	Development	Create the backend with scripts to pull and store data from the APIs	November 26th 2021	December 4th 2021	10	20.00%	80.00%	
7. Develop an algorithm for analysis/create graphs	Development	Using the DB create graphs and statistical overviews for the users to view	December 4th 2021	January 1st 2022	4	80.00%	20.00%	
8. Design frontend for the web app	Development	Using the created graphs, design a user friendly web app with an easy to follow layout	January 1st 2022	February 1st 2022	10	100.00%	0.00%	
9. Test UI for ease of use	Testing	Verify the layouts are user friendly and meet user requirements	February 1st 2022	February 11th 2022	4	50.00%	50.00%	
10. Validate security of user information	Testing / Security	Validate that user information is secure	February 11th 2022	February 18th 2022	4	50.00%	50.00%	
11. Test Web App for bugs	Testing	Test the web application for bugs throughout every page, as well as on the backend	February 18th 2022	March 1st 2022	4	50.00%	50.00%	
12. Beta Test Web App with other users	Testing	Find users who might be interested in the web app and ask them to test the app to find bugs	March 1st 2022	March 30th 2022	10	50.00%	50.00%	
13. Make finishing touches	Development	Polish the web app and correct any bugs users may have encountered	April 1st 2022	April 11th 2022	6	50.00%	50.00%	