GPU Specialization Capstone Project Rubric

Code Repository (40%)

Given the code repository found at the URL provided, you will be evaluated on the quality of your code in the following progressive tiers:
No – 0 – No URL given or doesn't point to a valid code repository
Exists but incomplete - 5

Exists but no README.md with description of how to run it – 10
Code includes README.md and CLI which takes arguments - 20
Well-written code that meets Google C++ Style Guide – 30
Code meets above guidelines and includes support files for compiling and running (Makefile, run.sh, etc.) - 40

Proof of execution artifacts (20%)

Did you show sufficient evidence that code was executed on either a lot of small pieces of data (signal input arrays over time) or a few large pieces of data (images/videos)?
No – 0
Mostly – 10 - It is clear that the code ran but whether it ran on one or multiple pieces of data in a single execution of the software is not clear.
Yes – 20

Code Project Description (20%)

Did you provide enough information for the reviewer to understand the purpose of your work, algorithms/kernels, lessons learned, etc.?
No – 0 – No demonstration was presented.
Mostly – 10 – It is clear that the student did the work, but it is not clear if they thought about the results or were challenged in anyway.
Yes – 20 – The text description was helpful in understanding the students work and showed that the student did something that was significant (beyond a hello world level effort).

Project Presentation/Demonstration (20%)

Did your short (5-10 minute) presentation clearly articulate and communicate the goals, challenges, and results of your GPU Specialization Capstone Project?
No – 0 – No repository URL was provided
Insufficient Content – 5 – A URL is provided that points to the recorded presentation (e.g. YouTube, Box file, etc.), but the video is shorter than 5 minutes
Minimum – 10 – Provided video is at least 5 minutes, but the goals, techniques, code, etc. are not clearly articulated.

Good Quality – 15 – The video includes discussion of goals, techniques, code, etc. and is communicated and articulated in a clear manner.
Excellent – 20 – The video includes an interesting demonstration or goes into details about next steps that the student would like to pursue.