Senior Design Team 25
12 March 2020

General Notes

- At the beginning of the term, we negotiated with Don to have six of our requirements checked off as opposed to the regular eight. This is due to the project being reassigned this term. That said, we provided seven, just in case one does not meet the graders' expectations.
- We plan to have the following requirements checked off:
    1. Setup Quickstart
    2. Feasibility Evaluation
    3. GPU Architecture
    4. Software Implementation Options
    5. GPGPU Overview
    6. Literature Overview
- All of our requirements are verified via webpage. We will include a link to correspond to each specific requirement, with mentions of the specific section in which the requirement. Please consult the evidence links.

Meeting of Universal Requirements

- All processing chips 64 pins or fewer must be soldered on a group designed custom PCB.
    - As our project is using no processing chips, this requirement does not affect us.
- All wire connections to PCBs and going through the enclosure (entering or leaving) must use connectors.
    - As our project is using no wired connections, this requirement does not affect us.
- The final system must contain two of the following: a student-designed PCB (with 50% of system blocks on it), a custom Android/PC/Cloud application, significant utilization of a custom software required by the project.
    - We significantly utilized the Jetson JetPack SDK for use in our project, as well as a GitHub user interface and associated website.
- The project must be predominately an ECE project.
    - This project is based around programming Graphics Processing Units. As such, it falls under the label of Computer Engineering.
- The system may have no more than 50% of its blocks built from purchased 'modules.'
    - All blocks were written or coded directly by our team members.
- The system may not include a breadboard
    - The system has no wired connections or breadboard.
- The system must be ruggedly enclosed/mounted as evaluated by the course instructor.
    - The system is enclosed within a GitHub website.