# Project Deliverable 4: Final Project Writeup

## CSE 4059: Applied Parallel Programming using GPUs

## Instructions

For the fourth deliverable, you are required to submit a final project writeup. This deliverable should serve as a comprehensive summary of all the work you have done, including optimization steps taken and comparisons to other versions of the application as appropriate. The final writeup should incorporate information from previous deliverables and be a standalone report that can be read to understand the entire project. Please refer to example project writeups presented elsewhere for samples of what this deliverable might look like. [1]

Your final writeup should include the following sections:

- **Abstract:** A high-level overview of the project.

- **Introduction:** Background and significance of the project.

- **Problem Statement:** The computational problem addressed.

- **Approach:** The methods and techniques used.

- **Implementation:** Details of the implementation, including optimization steps taken.

- **Performance Measurements:** Results of performance testing and comparison to other versions.

- **Optimizations Applied:** Description of any optimizations applied to the code.

- **Results:** Summary of findings and outcomes.

- **Discussion:** Analysis of the results and their implications.

- **Conclusion:** Final thoughts and potential future work.

## Submission Guidelines

Please compile your final project writeup into a single PDF document. Submit the PDF to the designated submission page on Gradescope by the specified deadline.

---

[1] This document and associated templates were generated with the help of ChatGPT.

## Evaluation Criteria

Your deliverable will be evaluated based on the following criteria:

- **Clarity and Organization:** The report should be well-organized and clearly written.

- **Comprehensiveness:** All relevant information should be included.

- **Technical Depth:** The implementation and optimization details should be thoroughly documented.

- **Analysis and Insight:** The discussion and conclusions should provide meaningful insights into the project outcomes.

If you have any questions or need further clarification, please do not hesitate to contact the instructor.