

AI Usage Declaration Form

Course: MSIM 715

Assignment Title: HW2

Student Name: Liam Whitenack

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Section 1 — Declaration of AI Use

I did use generative AI tools in completing this assignment, and I have documented all such use in Section 2.

Section 2 — Details of AI Use (Required if AI was used)

AI Tool Name & Version	Prompts / Questions Used	Type of Output Received	How Output Was Used or Modified
ChatGPT 5	How to compile and run an OpenMP C program on a cluster node	Step-by-step instructions	Followed the instructions to compile <code>omp_hello.c</code> with OpenMP support and run it interactively on a compute node.
ChatGPT 5	How to set <code>OMP_NUM_THREADS</code> and iterate runs with different thread counts	Shell script example	Used the example to automate running <code>omp_hello</code> with multiple thread counts and repeats for data collection.
ChatGPT 5	How to modify a loop to iterate over powers of two instead of sequential thread counts	Modified bash loop snippet	Updated my shell script to run with 1, 2, 4, 8, 32, 64 threads instead of 1–80 sequentially.
ChatGPT 5	How to interpret OpenMP output timings from multiple runs	Explanation and example of timing analysis	Used the explanation to summarize execution times for each thread count in my homework report.
ChatGPT 5	Difference between interactive and batch jobs in SLURM, and how to use <code>salloc</code>	Educational explanation	Used to request a compute node interactively to run <code>omp_hello</code> without submitting a full batch script.

Section 3 — Student Acknowledgment

I understand that:

- I am responsible for ensuring that all work submitted is my own and that I fully understand any AI-assisted content included.
- All AI usage must be appropriately documented and substantially modified to reflect my own work.
- Misrepresenting AI-generated work as entirely my own without disclosure may be considered a violation of academic integrity.

Signature: Liam Whitenack

Date: 10/11/2025

Instructions to Students

1. Complete this form for every assignment.
2. If you used AI only for brainstorming or debugging, still disclose it.
3. Attach the form to your submission in Word or PDF format.