Cpt S 471/571 Assignment Cover Sheet

(To be turned in along with each homework and program project submission)

Assignment # 2 (Programming project #1: Pairwise sequence alignment using the affine gap penalty function)

For individual assignments:

Student name (Gage, Unruh):

List of collaborative personnel (excluding team participants):

<https://doc.rust-lang.org/> (Book, Std library documentation, Style guide, Rust By Example)

<https://en.wikipedia.org/wiki/Needleman%E2%80%93Wunsch_algorithm>

<https://en.wikipedia.org/wiki/Smith%E2%80%93Waterman_algorithm>

[The actual Smith-Waterman Paper](https://doi.org/10.1016/0022-2836(81)90087-5)

<https://stackoverflow.com/> (Commented citations where code was taken directly)

I also copied the text / format for the output straight off of the example provided in the assignment description. It seems like this was somewhat the expectation though since the output format guidelines were so specific.

I certify that I have listed above all the sources that I consulted regarding this assignment, and that I have not received or given any assistance that is contrary to the letter or the spirit of the collaboration guidelines for this assignment. (Gage Unruh)

Assignment Project Participant(s):

Today’s Date: 2/11/2025