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Self-Assessment

My main contribution to our project was to develop the statement finder tool. Of the skills I identified in my initial assessment, I used Python and Artificial Intelligence to write the code and make it work as intended. Throughout the project, I greatly expanded my understanding of artificial intelligence and natural language processing. I was successful at creating a working statement finder that works properly in most of the tested cases. The obstacles I ran into mostly had to do with the complexity of dealing with natural language. For instance, the existence of pronouns could cause errors in the fact-checker, so I had to decide whether to build a pronoun replacement tool from the ground up or find an existing tool that worked “well enough.”

The basic workflow of the statement finder tool is as follows. First, the tool preprocesses some input text. Then some natural language processing models are applied to learn more about the text. Finally, the information is compared to predefined statement structures and matching statements are returned in a list.