

ChatGPT for Coding

Experiment 1

DOCUMENTATION	Votes
1. Our prompt was a simple C++ 3 variable program that takes in data and outputs which of the three variables is greatest.	0
https://chat.openai.com/c/f2b1391a-6633-4059-9869-611c5ad6802d	0
2. ChatGPT completely documented all of the code given to it.	0
3. When asked to simplify the documentation it made it shorter. When asked to improve documentation it only changed one word.	0
ChatGPT so far works very well with documenting at least simpler programs.	0

DEBUGGING	Votes
We prompted ChatGPT with code from a medium difficulty problem on Leetcode (threeSum problem). I copied a correct solution and added errors.	0
It explained where the errors were and what I should change, then proceeded to give me the correct solution with errors fixed.	0
Before spitting the code back at me, it explained in good detail what the problem was asking for and where the errors were, and how to fix.	0
Since it is a well-documented problem/program, I expected it to be able to debug the errors and spit out a correct solution.	0
If you were to try this experiment with your own code for a project or game, it may not be able to debug as efficiently.	0
https://chat.openai.com/c/2a479d5f-556b-4cbc-9c82-067d78b5abb7	0

SYNTAXCHECK	Votes
ChatGPT 3.5: https://chat.openai.com/share/c608c20f-9c7a-479c-991b-00bb931d21bc	0
ChatGPT 4: https://chat.openai.com/share/f62db96a-9190-4f17-8a37-e9a41e3c7b64	0
ChatGPT 3.5 import problem: https://chat.openai.com/share/e6e77bc4-a0c0-41c7-a7ec-0390e6489ee6	0
AI to debug syntax issues problems in rock paper scissors code.	0

Not incredibly difficult but time consuming.	0
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VISUALIZATION	Votes
Was able to create a pie chart, histogram and a line plot. I asked for a bar chat and ChatGPT failed 3 times in a row	8
Chat GPT failed to do this- create a histogram of the data set Nile. I want this to span over 5 years from 1934-1939	0
ChatGPT worked well for creating basic visualizations. failed once we asked to change specifics.	0
https://chat.openai.com/c/58a515b1-0464-4df5-af51-e34c4538b402	0

COMMUNICATION	Votes
1. Problem 1: Free ChatGPT, Bing, Bard all can't access a coding project to be able to analyze results anyway. (you can copy paste, but it still won't have access to the excel data that we inputted)	0
https://chat.openai.com/c/5123489a-c269-4dc6-bb99-47dcf4f078bc	0
-We tried to copy/paste the data set and the code, but it said that the message was too long and failed and told us to restart.	0
A human would be much better at analyzing fo sho	0