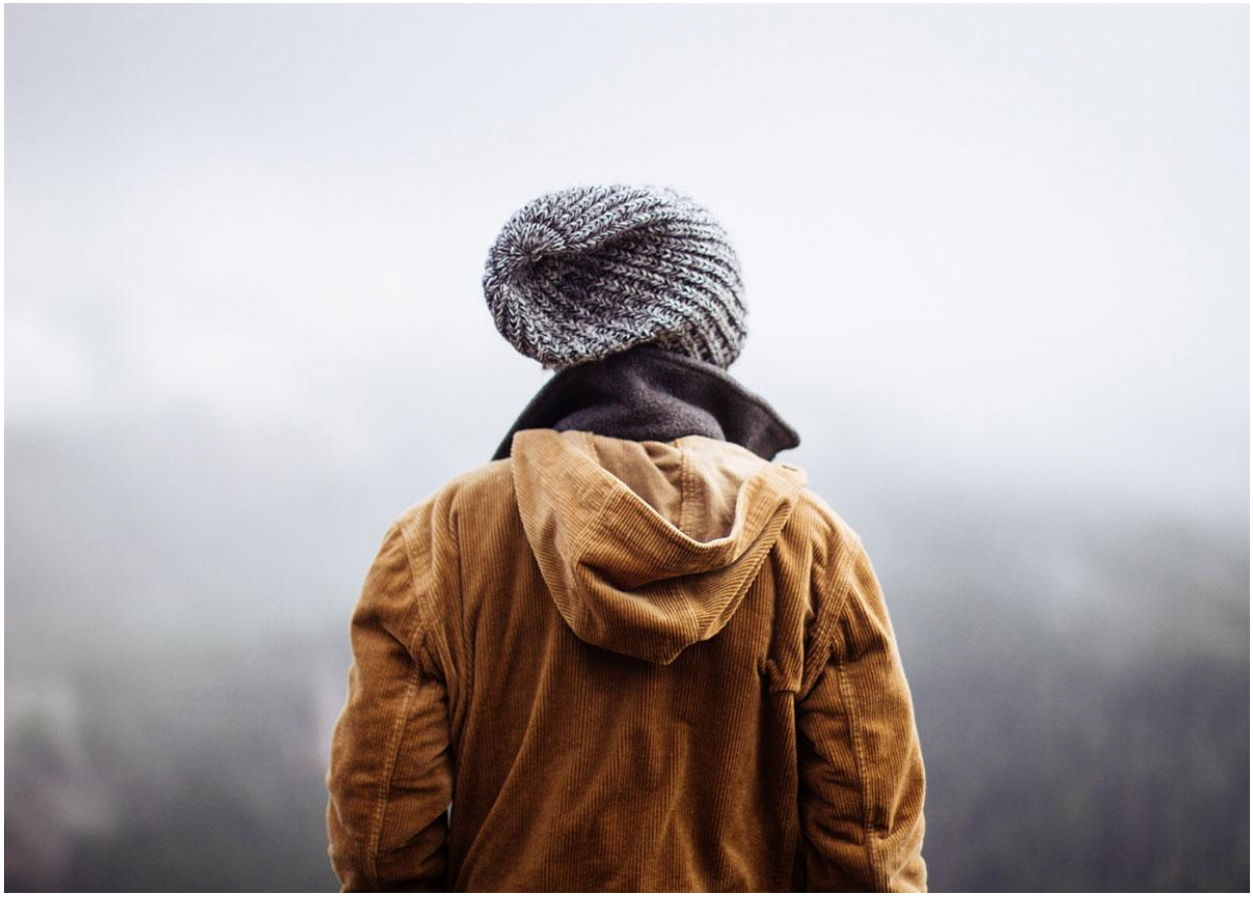
Fourth Project



One of the limitations of ChatGPT is its difficulty in separating contexts when presented with long texts covering various topics. This was particularly evident during the execution of Project 2, where interference and errors often arose from texts with different subjects. To minimize this, it's important to present a consistent topic or context. As a language model, it fundamentally relies more on word associations and their frequency rather than understanding conceptual connections.

Additionally, repeated and frequent errors have been noted in processing certain data types, such as boolean values.

However, as demonstrated in Projects 1 and 3, ChatGPT excels in requesting language information and then summarizing or reprocessing it. For example, in Project 1, when I asked for an explanation of the Merge sort concept, some parts were hard to understand. Upon requesting a simpler reprocessing of the information, the model effectively used the analogy of a card deck to explain the division and conquering method of Merge sort, which I found to be a very valid and understandable example. Furthermore, I believe its performance significantly improves when the subject and context are adjusted. This is due to the characteristics of transformer and generative language models, which predict and generate responses based on the other party's speech. Utilizing this, a clear and distinct subject creates an environment where generative AI can perform optimally.

The exceptional capability of ChatGPT in processing language information and leading conversations as a generative AI has already proven to be immensely helpful, especially in education for those who are marginalized or lack better educational resources. The introduction of new features like GPTs and the emergence of Turbo have significantly enhanced its performance beyond version 3.5, expanding its utility. However, the recent dismissal of Sam Altman by the nonprofit board, citing stability concerns, underscores that the advancement of AI entails inherent risks that cannot be denied.