**Shakespeare GPT**

**Abstract**

One paragraph summarizing the entire paper

**Introduction**

The goal of this research is to provide a practical implementation of GPT3 that meets the desired end state of the customer. The result of the research will be a GPT, trained on all Shakespeare's writing that will allow the user to ask plain text questions such as "Describe the character Henry the Fifth.", with a coherent answer such as "Henry the Fifth was King of England and fought in the Battle of Agincourt." The query returned will be a timely, accurate, and truthful response that answers the intent of the user’s query. Accurate answers are the paramount priority of the tool. Answers to queries will be returned with a relative probability (between zero (0) and one (1) with one being 100% accurate) that the returned answer is correct.

-brief description of GPT

-description of previous iterations of GPT

-brief description of what has been done before

**Methodology**

The tool will utilize mixed methods to maximize the existing qualitative and quantitative algorithms to produce the best product. The qualitative method will be used to provide human input to train the reward function which will assist in determining how the tool will respond to human inputs. The resulting reward function will then be applied in an unsupervised quantitative way to train on the corpus of data, in this case the entirety of Shakespeare's written works.

-describe our qualitative methods

-describe our quantitative methods

-why did we use them together?

-why is ours different than everyone else’s | what did we do different that makes our widget better than OpenAI’s widget

**Results**

We need to compare the results to something

-how have the results from our widget proved that we have improved (incrementally or generationally) on the works of other scholars

**Discussion**

-Discuss our findings

-Conclude with future avenues of research

**References**