

## **Artist's Statement**

### **TV Script Generation using Deep Learning**

Our NLP project is a unique exploration of the intersection between art and technology. By leveraging the power of natural language processing and machine learning algorithms, we sought to capture the essence of a beloved TV show and use it as a basis for generating new, original content.

As fans of "The Office", we were drawn to the show's distinctive humor and writing style. Our goal was to create a tool that could help other writers and creators generate content that feels authentic to the show's voice and tone. To achieve this, we processed the show's scripts, so that they are suitable for training a model. We trained on this data to build a 15M parameter language model using advanced deep learning techniques such as bidirectional LSTMs as well as smart sampling strategies that are able to leverage the model to generate interesting results. Our model is able to recognize the nuances of dialogue and character interactions, and generate new content that feels like it could have come straight from the show's writers' room.

Ultimately, our project is a testament to the incredible potential of NLP and machine learning in creative endeavors. By using these cutting-edge technologies to analyze and replicate the artistic sensibilities of a beloved TV show, we hope to inspire other artists and creators to explore the many ways in which technology can enhance and enrich their work.