

Personalized Generative Narratives

By Nicholas Sherwin

Background



SCREENSHOT

Productions

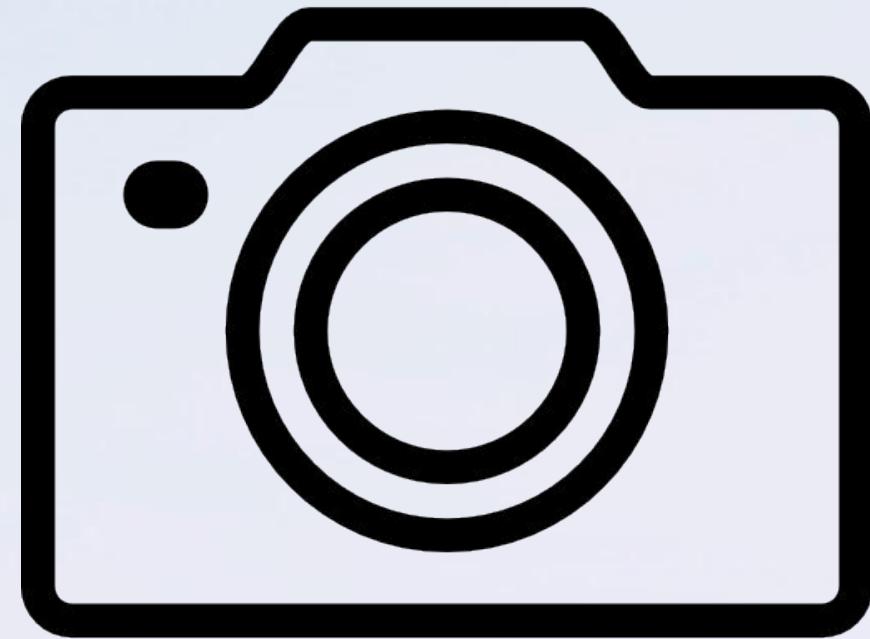
to unpathed waters, undreamed shores



Vision

To leverage personality insights derived from a user's twitter profile in conjunction with fictional dialogue to craft robust, interactive and completely personalized narratives.

Tools + Data



IBM Watson
Analytics



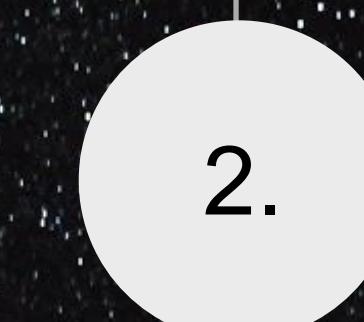
OpenAI

Process

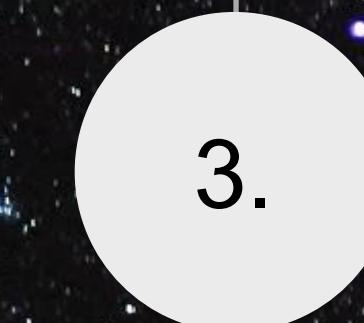
Create Relational Database



Text preprocessing



2.



IBM Watson Personality Insights

Process

Twitter Integration

4.

Text Generation

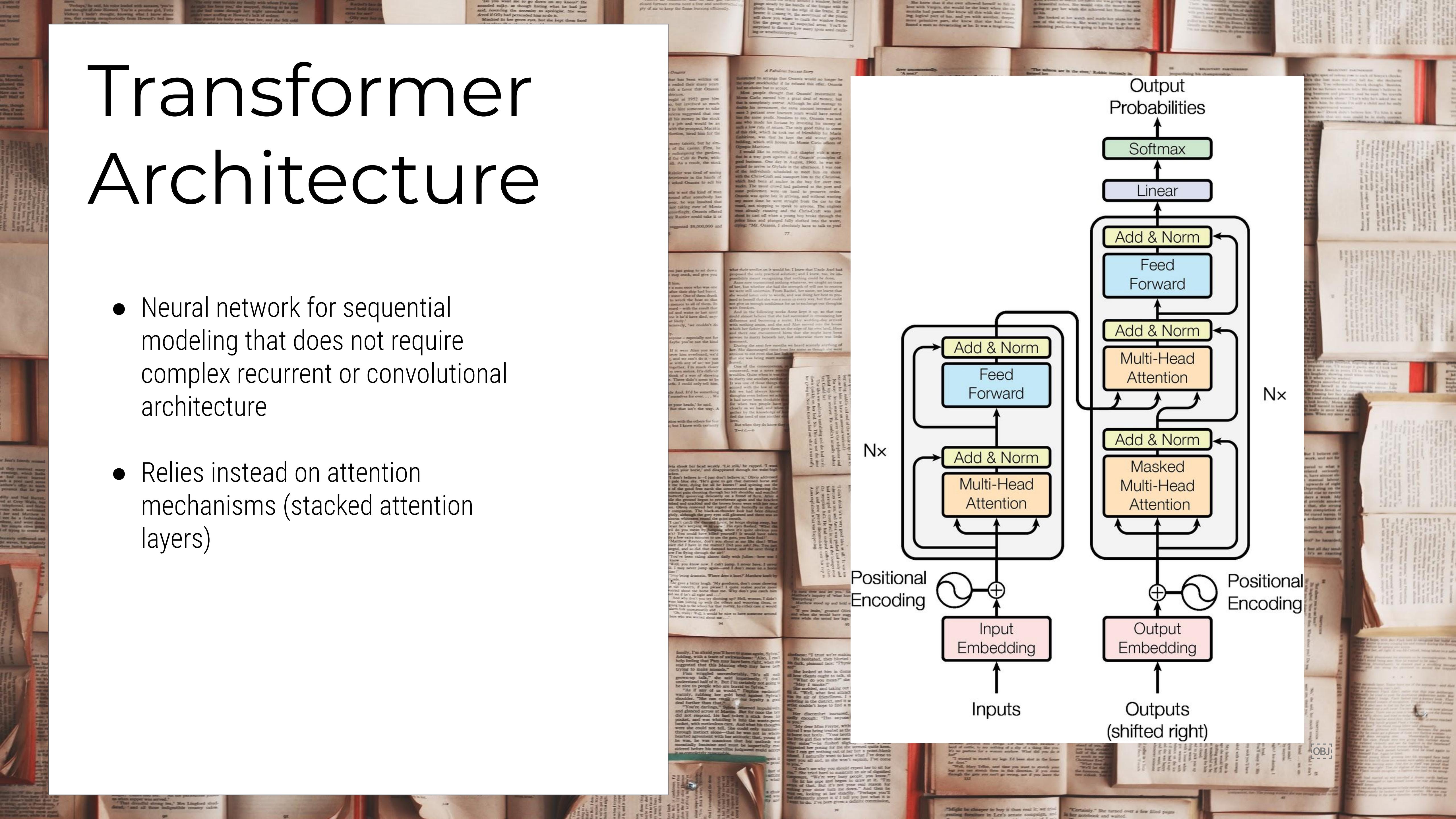
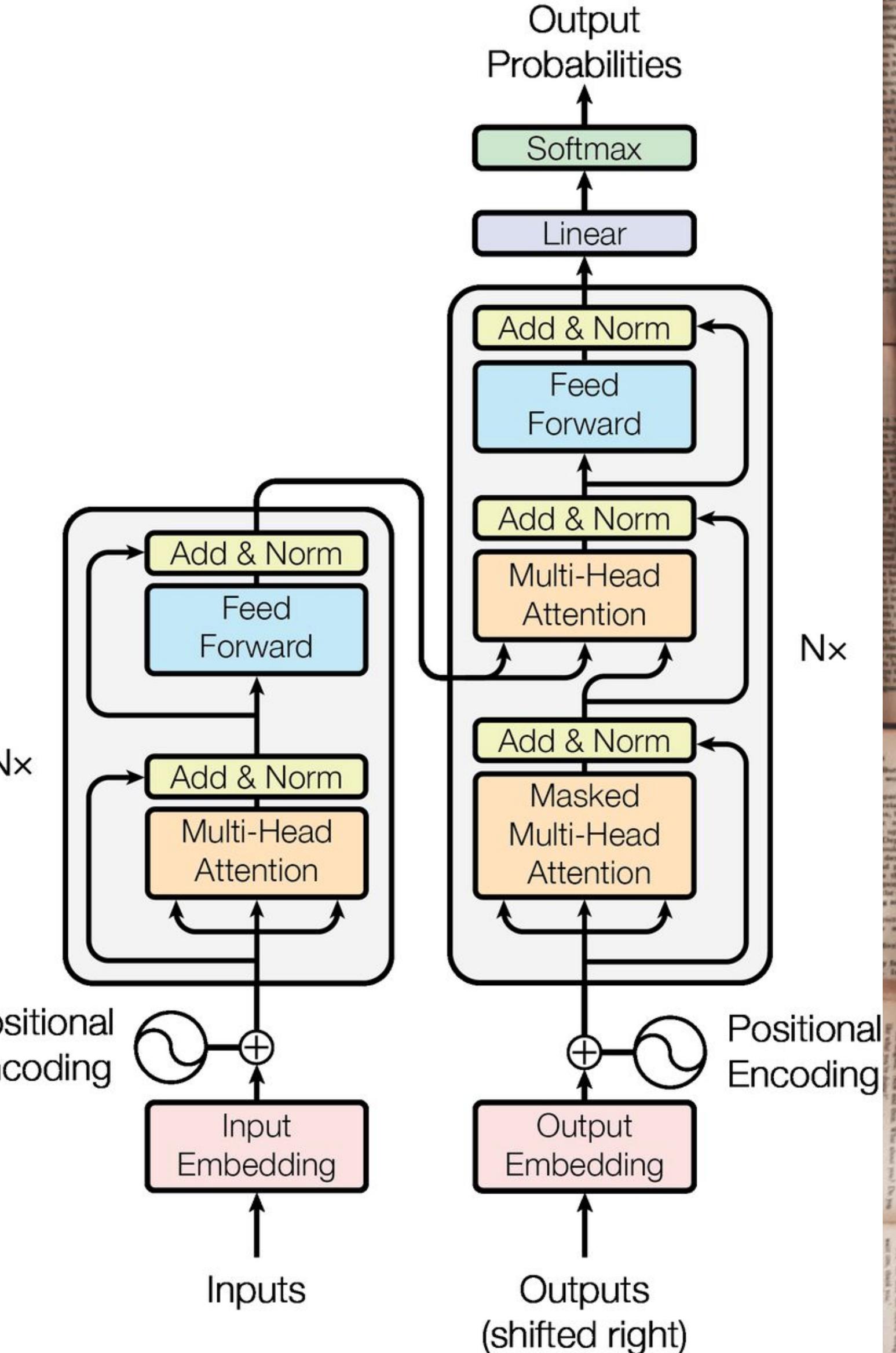
5.

6.

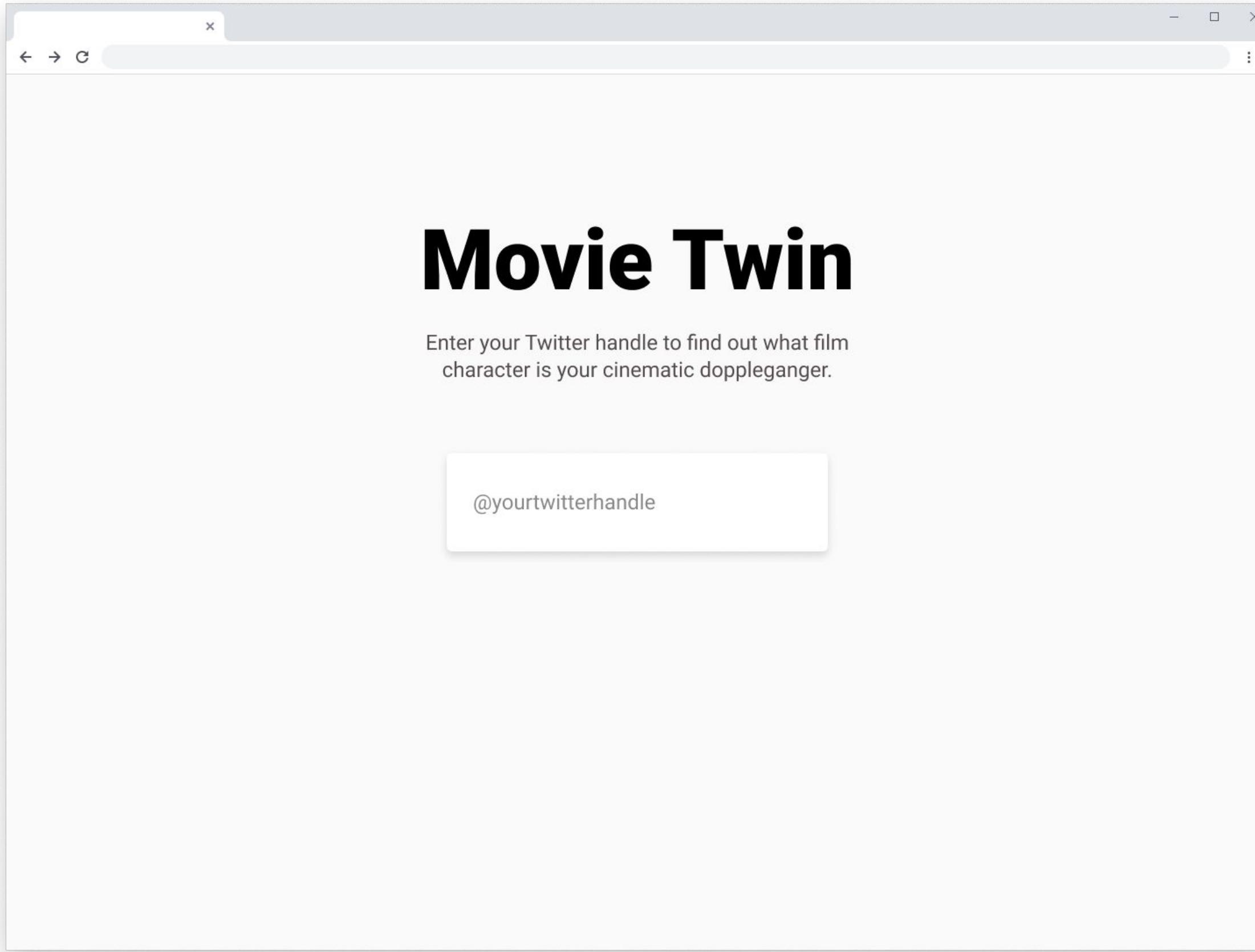
Compare + Print

Transformer Architecture

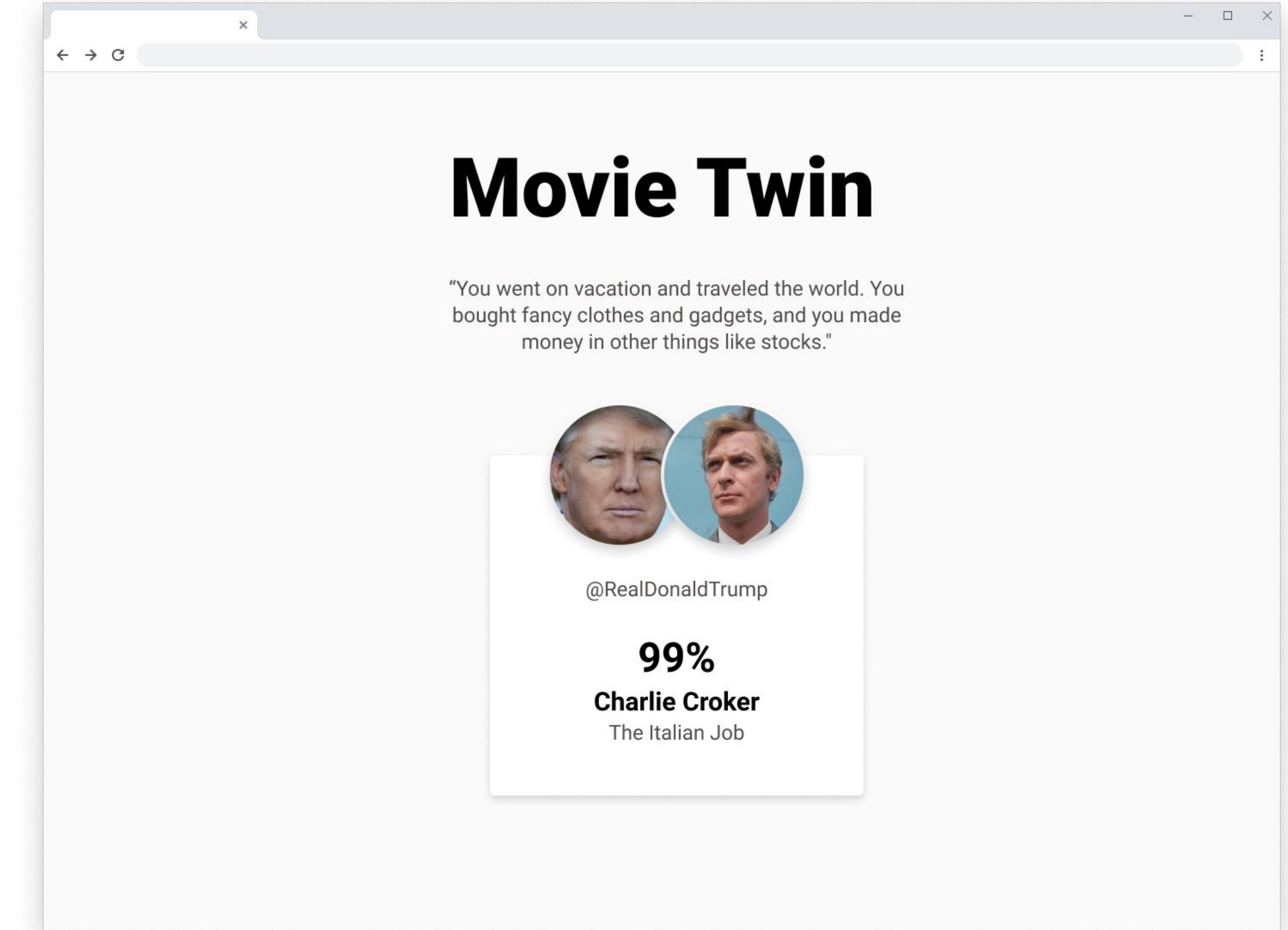
- Neural network for sequential modeling that does not require complex recurrent or convolutional architecture
- Relies instead on attention mechanisms (stacked attention layers)



User Journey



A screenshot of a web browser window showing the "Movie Twin" application. The title "Movie Twin" is displayed prominently at the top. Below it is a sub-headline: "Enter your Twitter handle to find out what film character is your cinematic doppleganger." A text input field contains the placeholder text "@yourtwitterhandle".



A screenshot of a web browser window showing the results of the "Movie Twin" search for the Twitter handle @RealDonaldTrump. The title "Movie Twin" is displayed prominently at the top. Below it is a quote: "You went on vacation and traveled the world. You bought fancy clothes and gadgets, and you made money in other things like stocks." Two circular profile pictures are shown side-by-side: one of Donald Trump and one of Charlie Croker from the movie "The Italian Job". Below the images is the text "@RealDonaldTrump". To the right of the images, the text "99%" is displayed in large bold letters, followed by "Charlie Croker" and "The Italian Job".

[OBJ]

Future Work



Applications

- Long-form text generation
- App upgrades
- Gradient of personalities over story length

- Entertainment
- Therapy
- Content Marketing

Thank You.



nicholassherwin

<https://www.nicholassherwin.com/>



Nicholas Sherwin, MBA
Data Scientist | Analyst | Product
Manager

