

Twitter Thread by Janelle Shane



Janelle Shane

[@JanelleCShane](#)



What happens when a neural net tries to write rhyming lyrics?

Apparently, an ode to defunct Swiss chemical company Alusuisse.

The fine rhyming work of [@mark_riedl](#)'s Weird A.I. program

<https://t.co/TAOIWBr7RI>

Original Lyrics

No one's slick as Gaston
 No one's quick as Gaston
 No one's neck's as incredibly thick as Gaston

For there's no man in town half as manly
 Perfect, a pure paragon
 You can ask any Tom, Dick or Stanley
 And they'll tell you whose team they prefer to be on

No one's been like Gaston
 A king pin like Gaston
 No one's got a swell cleft in his chin like Gaston
 As a specimen, yes, I'm intimidating
 My, what a guy, that Gaston

AI Lyrics

Is in the form of this
 Magical dragon cris
 And in the form of this magical dragon biss

You will be given a magical egg
 Other than this magical
 Dragon egg which is in the form of tegge
 Egg and also in the form of this magical

Egg in the form of chris'.
 Magical dragon fiss
 And magical eggs also in the form of chris'
 The magical egg was given by dr j
 By the name of alusuisse.

Rhyming is super hard, especially in English where threw rhymes with through but not dough, and the emphasis patterns are all over the place.

There's lots of AI poetry but there's a reason it doesn't tend to rhyme

Roses are red
 Violets are blue
 I want to eat french fries with my nice ham and cheese
 I want to eat all the bacon I can get
 I want to eat the fresh frozen clams
 The reason I love your spice rack is because there's no place to hide
 You got potatoes the size of postage stamps

.@mark_riedl's algorithm has a part that chooses rhyming words, scoring them according to their similarity to the song's theme.

Here, "Uzbekistan" was the closest rhyme it could think of for "saucepan" given cakes as a topic.

Good job, AI

Original Lyrics	AI Lyrics
When I get older losing my hair Many years from now Will you still be sending me a Valentine Birthday greetings bottle of wine If I'd been out till quarter to three Would you lock the door Will you still need me will you still feed me When I'm sixty-four You'll be older too And if you say the word I could stay with you	To taste instructions preheat oven On medium high In a medium bowl combine flour and Dark brown sugar combine eggs and From the dry ingredients and beat Or beat for about Another couple minutes add the beet. In a medium And heavy saucepan Add egg yolks for about An uzbekistan

There's a subalgorithm that has to come up with lines of a given number of syllables.

Occasionally it gives up and returns a line that's way too short. Another subalgorithm chooses from several candidate lines & often prefers the short lines.

So you get

au-u-u-u-u-u-gust

Original Lyrics	AI Lyrics
Baa, baa, black sheep, have you any wool? Yes sir, yes sir, three bags full! One for the master, And one for the dame, One for the little boy Who lives down the lane	On august Sixteen seventeenth august The entire world Was changed forever. This would not have been so In history as
Baa, baa, black sheep, Have you any wool? Yes sir, yes sir, Three bags full	It was in history. Seventeenth august In history. The august

The subalgorithm that has to generate the rhyming lines often gets desperate, especially when the subalgorithm that chose the rhyme handed it something like "welp" or "alusuisse".

It will sometimes resort to making up words entirely

Original Lyrics

The wonderful thing about tiggers
Is tiggers are wonderful things!
Their tops are made out of rubber
Their bottoms are made out of springs!
They're bouncy, trouncy, flouncy, pouncy
Fun, fun, fun, fun, fun!
But the most wonderful thing about tiggers is
I'm the only one

AI Lyrics

In a long line you don't know who they
Are until they can help you in.
Also there is still alot to
Know before they can help you in
But not until they can help you out.
And when they can help
You out it is alot to know about them too.
A Turnip hoowelp welp

You can generate your own weird alternate rhymes for free and yes I absolutely want to read how they came out

Also

total karaoke power move: ignoring the words onscreen and singing an AI version instead

<https://t.co/h1PuWOTIzu>

Iu2019m finally ready to release my neural net based lyrics parody generation system\u2026

Introducing: Weird A.I. Yankovic!

Runs on Google Colab: <https://t.co/oMx7jSPQ0P> pic.twitter.com/i0DTWvlsRm

— Mark Riedl (@mark_riedl) [May 15, 2020](#)

Here's a karaoke algorithm by [@botnikstudios](#) that, instead of generating lines from scratch, picks them from an existing corpus (like X-files scripts)

Result doesn't rhyme or even make sense but DANG am I impressed how [@jamieabrew](#) can sing them on the fly
<https://t.co/GjYECF0jPj>