

## Twitter Thread by Jeremy Howard



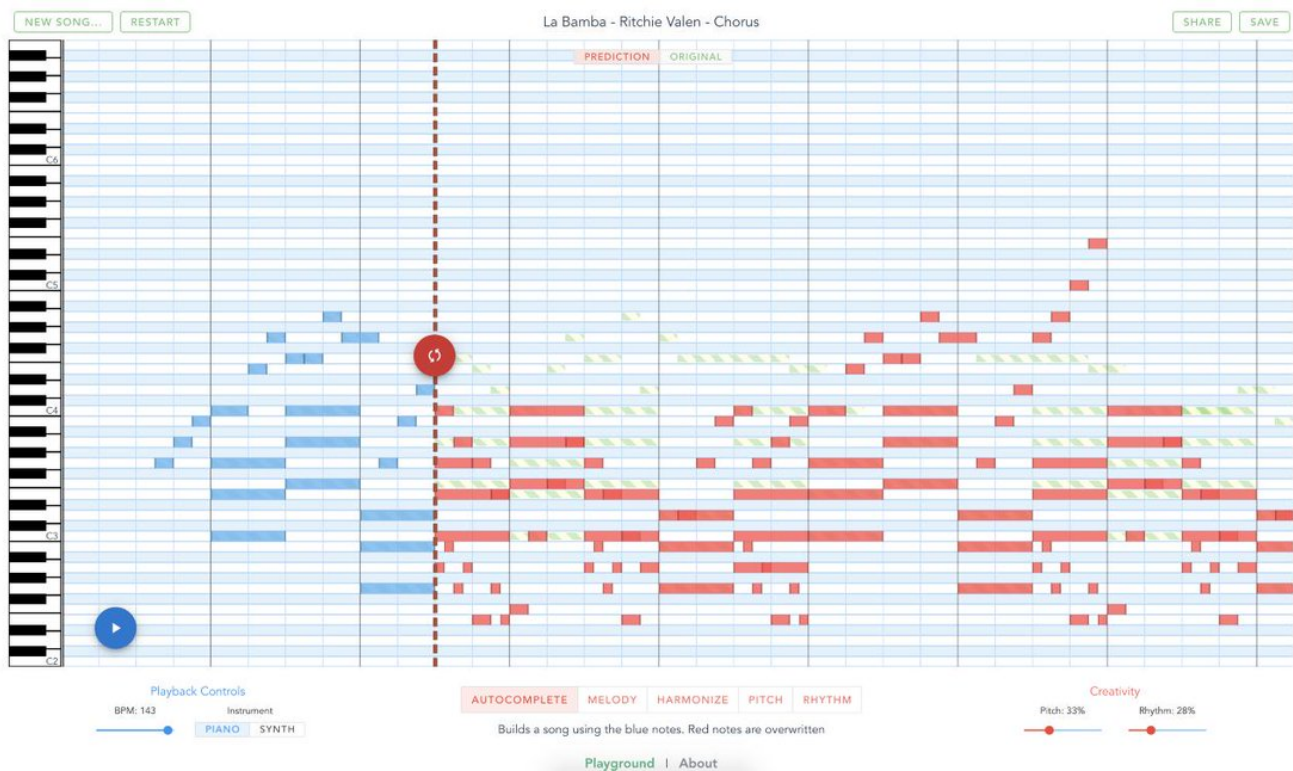
**Jeremy Howard**

[@jeremyphoward](#)



An amazing new project from [@bearpelican](#) was just released:  
<https://t.co/DBov6sZTVS> . A beautiful design; you can auto-generate a melody from chords, chords from a melody, and more.

It's technically brilliant, combining BERT, seq2seq, and Transformer XL  
<https://t.co/jF3mO5aXiu>



It's also a wonderful example of leveraging and customizing the fastai framework in a deep & thoughtful way.

## Step 1: Create a short snippet of notes:

```
1 f = midi_path/'La Bamba - Ritchie Valen - Chorus.mid'  
2 item = MusicItem.from_file(f, data.vocab)  
3 seed_item = item.trim_to_beat(6); seed_item.show()
```

show\_la\_bamba\_snippet.py hosted with ❤ by GitHub

[view raw](#)

Snippet from [here](#)

*Here's what that looks like:*



First few notes of La Bamba — sounds like [this](#)

Here's the full set of blog posts diving in to this project:

<https://t.co/jF3mO5aXiu>

<https://t.co/DrCJxxJRAy>

<https://t.co/GgatWxa9nM>

<https://t.co/U9Yp5lZpxt>