

FAKE FONTS?

EXPERIMENTS IN AI TYPE DESIGN



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We are developing a neural network algorithm capable of generating new vector typefaces. By providing pre-existing typefaces made and designed by graphic designers to our models, they are capable of determining what letters ought to look like and how letters are structured into fonts — through this process it generates Bézier curves which describe entirely new vector fonts.

The benefit of a vector based character is that a designer can place it directly in their work or manipulate it to their needs.

We employ an autoencoder model and a generative adversarial network, aiming to consistently generate usable typefaces. The process can result in odd and unexpected shapes, some *a*'s we've generated have not looked like *a*'s at all!

Source Code: github.com/ccurro/font-bakers
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