

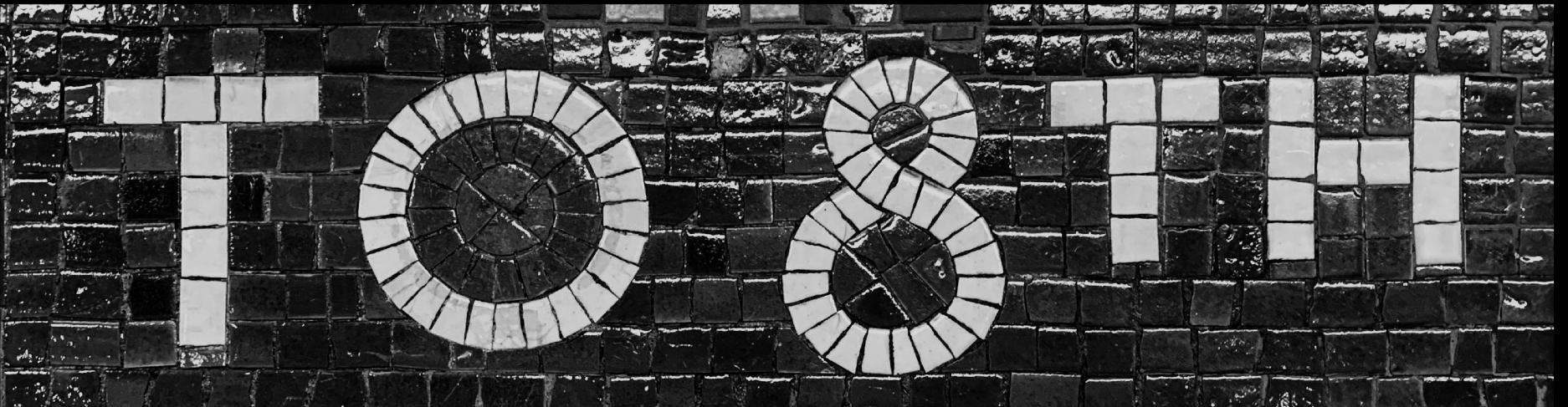
An Intro to FontTools

This tutorial brought to you by...

Name sans

► VERSION 0.3 COMING SOON! ►

arrowtype.com



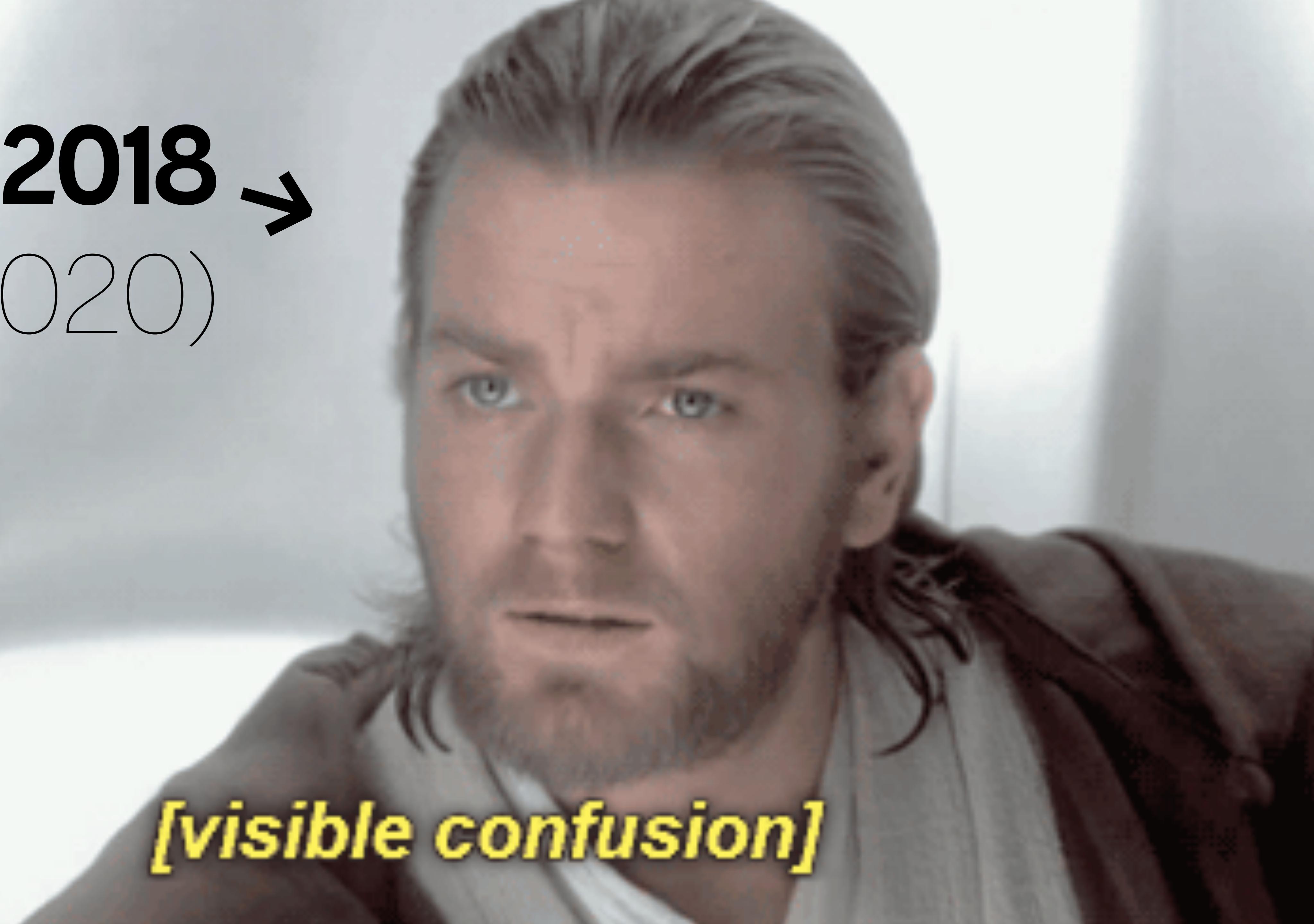
FontTools? FontParts?

FontMake? FontBakery?

Adobe Font Development

Kit for OpenType?

Me, 2018 →
(& 2020)

A close-up portrait of a man with light brown hair, looking slightly off-camera with a neutral to slightly confused expression. He is wearing a dark jacket over a white shirt.

[visible confusion]

**“An energy field created by
all living things. It surrounds
us and penetrates us; it
binds the galaxy together.”**

**“FontTools is a library for
manipulating fonts, written
in Python.” penetrates us; it
binds the galaxy together.”**

github.com/fonttools/fonttools

FontTools reads & edits:

- **Binaries** (OTFs, TTFs)
- **Sources** (UFOs, Designspaces)

cu2qu	converts between cubic & quadratic Béziér curves
dsLib	reads & writes Desigospace files
feaLib	reads & writes OpenType features
merge	merges multiple font files into together
pens	reads & draws different kinds of Béziér paths
subset	for subsetting fonts
ttLib	reads & writes data in font binaries
tx	converts binaries to/from human-readable XML
ufoLib	reads & writes UFO sources
varLib	allows the building & instancing of variable fonts
	& MORE

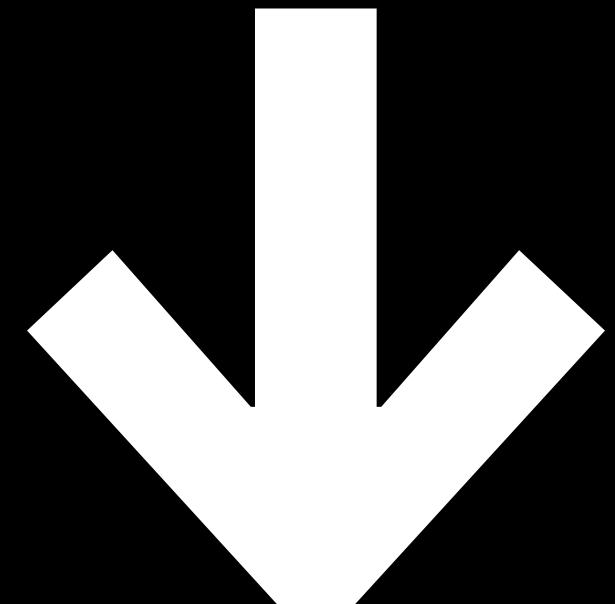
Many tools use FontTools

FontParts A logical API structure for font sources: font info, glyphs, contours, etc

FontMake A tool to build binary fonts from sources

FontBakery A tool to run quality-assurance checks on fonts

AFDKO Tools to build, proof, & validate font binaries

EXAMPLE
CODE 

github.com/arrowtype/fonttools-intro