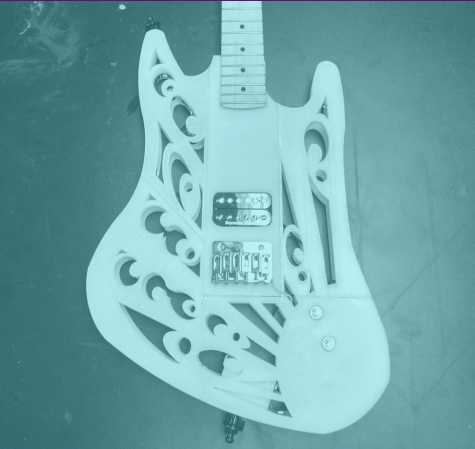
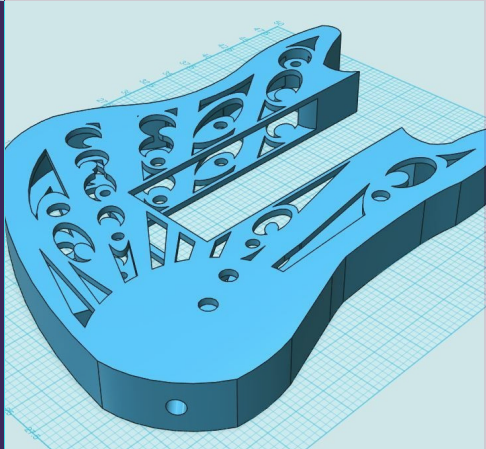


ELON  
KICKBOX

# 3D PRINTED GUITAR



WITH  
SOUND  
REACTIVE  
LEDS

# 3D PRINTED GUITAR

WITH SOUND REACTIVE LEDS

With funding provided by Elon's Kickbox program, I was able to design and assemble this unique guitar.

While the guitar took shape in 123D Design, I worked with faculty and other students on campus to choose parts as well as construct the electronics. The LEDs are controlled with an Arduino Nano, and react to the sound of the strings.

The print was completed using the Fusion 360, Ultimaker 2 Extended, and Raise 3D located in Elon's Maker Hub for a total of around 70 hours of printing.

Thank you for checking out the project!



See more on the Hackaday.io page at  
<https://hackaday.io/project/19726-sound-reactive-led-guitar>

**ELON KICKBOX**