



Gourd Shaped Ukulele



Big.One

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Summary

This Soprano size ukulele is a 3 piece design: Body Fretboard Bridge It has a conventional headstock in contrast to my...

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This Soprano size ukulele is a 3 piece design:

- Body
- Fretboard
- Bridge

It has a conventional headstock in contrast to my other headless design.

It has a groove in the neck to accommodate a neck rod to stiffen it as most 3D printed plastic is too bendy under string tension. Use something like this for the in-neck rod:

- <http://www.acpsales.com/.125-x-.325-Rectangular-Rod.html>

Also it is meant to be fitted with:

- simple friction tuners like <http://www.amazon.com/gp/product/B00E3UA3JQ>
- simple bridge pins like <http://www.amazon.com/gp/product/B006X0UCKY>

You can see/hear a demo of it on Youtube <https://youtu.be/ooCCqn-EJtk>

How I Designed This

Open SCAD

Scaling spheres, making sure gradient is smooth where parts meet, lots of trigonometry :-)

Category: Music

Model files



soprano_tinyhead_3pc_bridge.stl



soprano_tinyhead_3pc_body.stl



soprano_tinyhead_3pc_fretboard.stl



soprano_tinyhead_3pc.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing/1111111)

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