

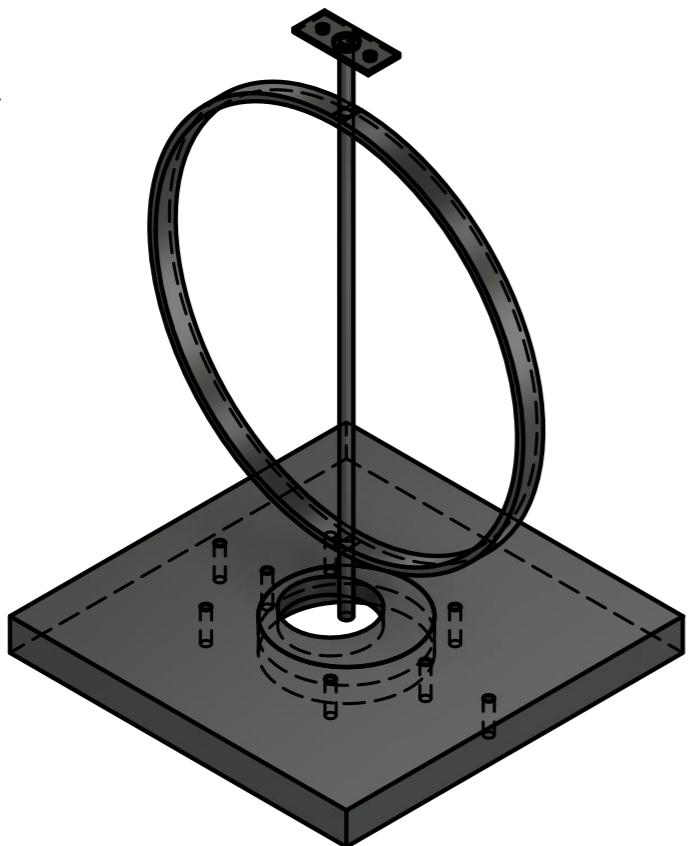
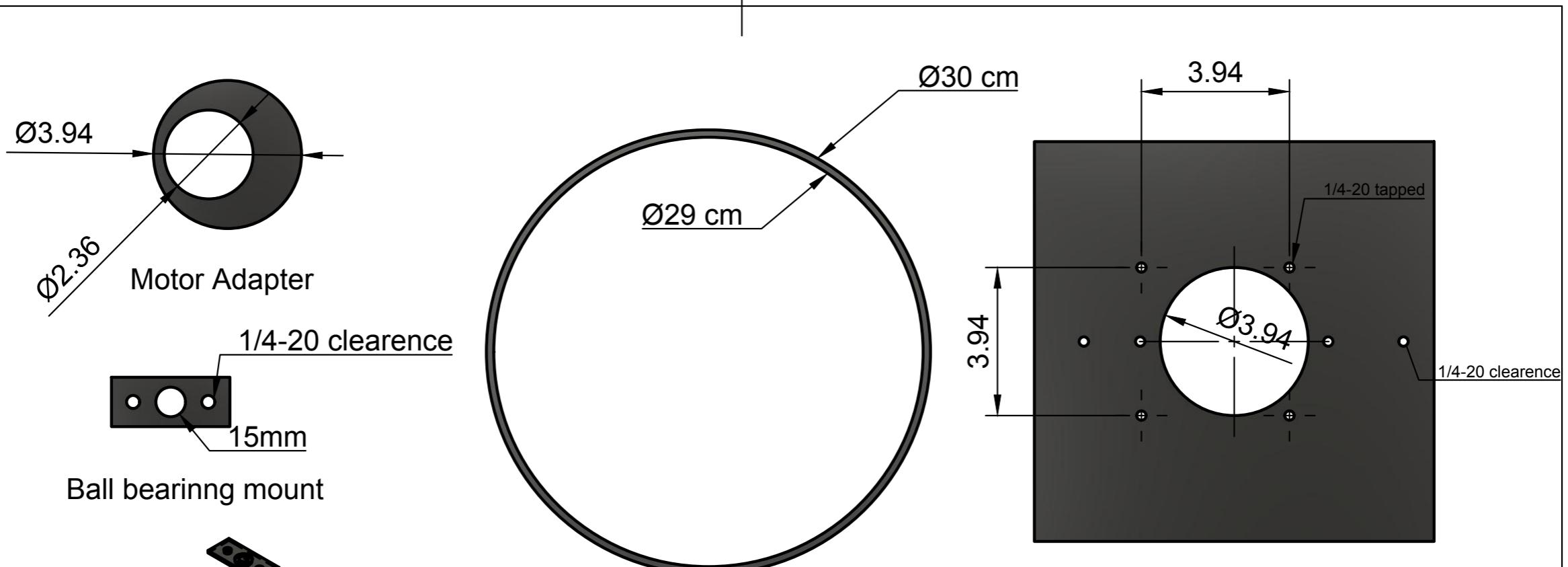
Data Viz: reimagined

POV globe

Prototyping Electronic Devices: Final Presentation
Assel Dmitriyeva

Persistence of vision (POV) is an optical illusion.

Project uses this effect to create a new way of data visualization of geographic data. It can be as well used as animations display instead of conventional monitors.



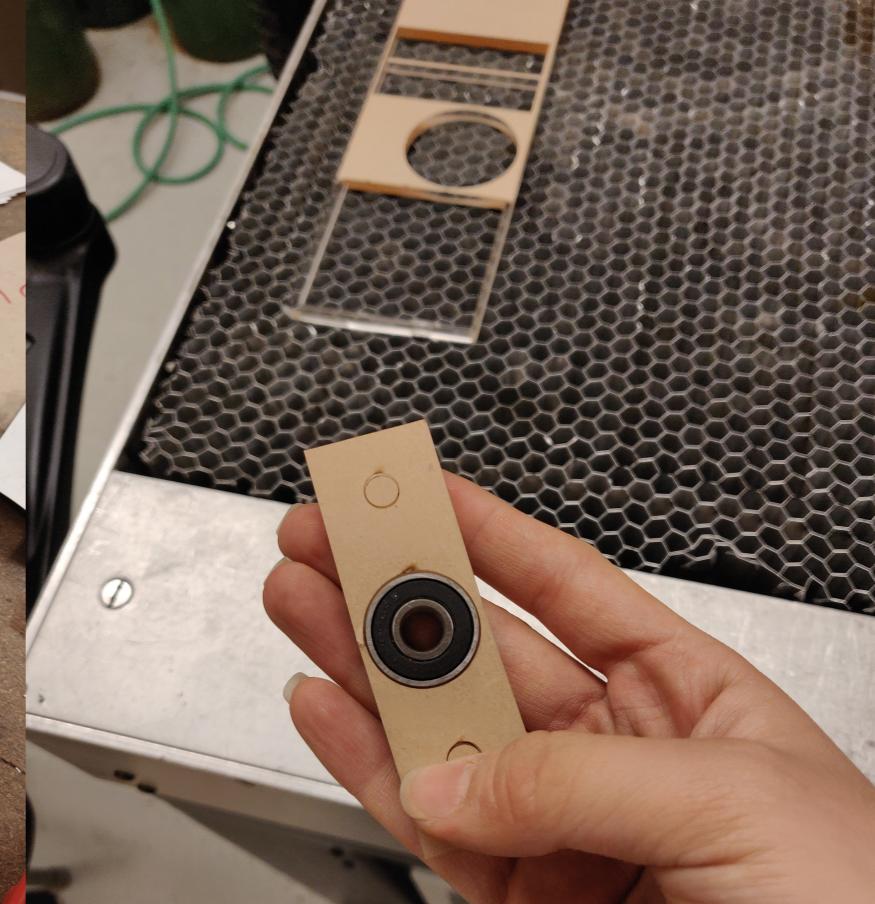
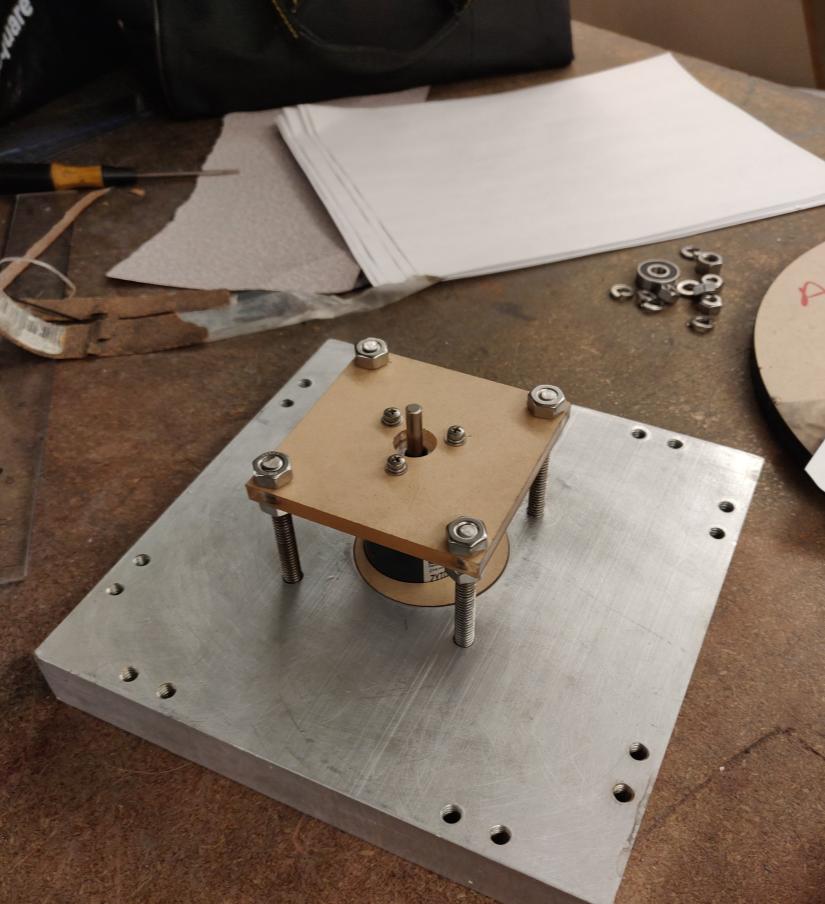
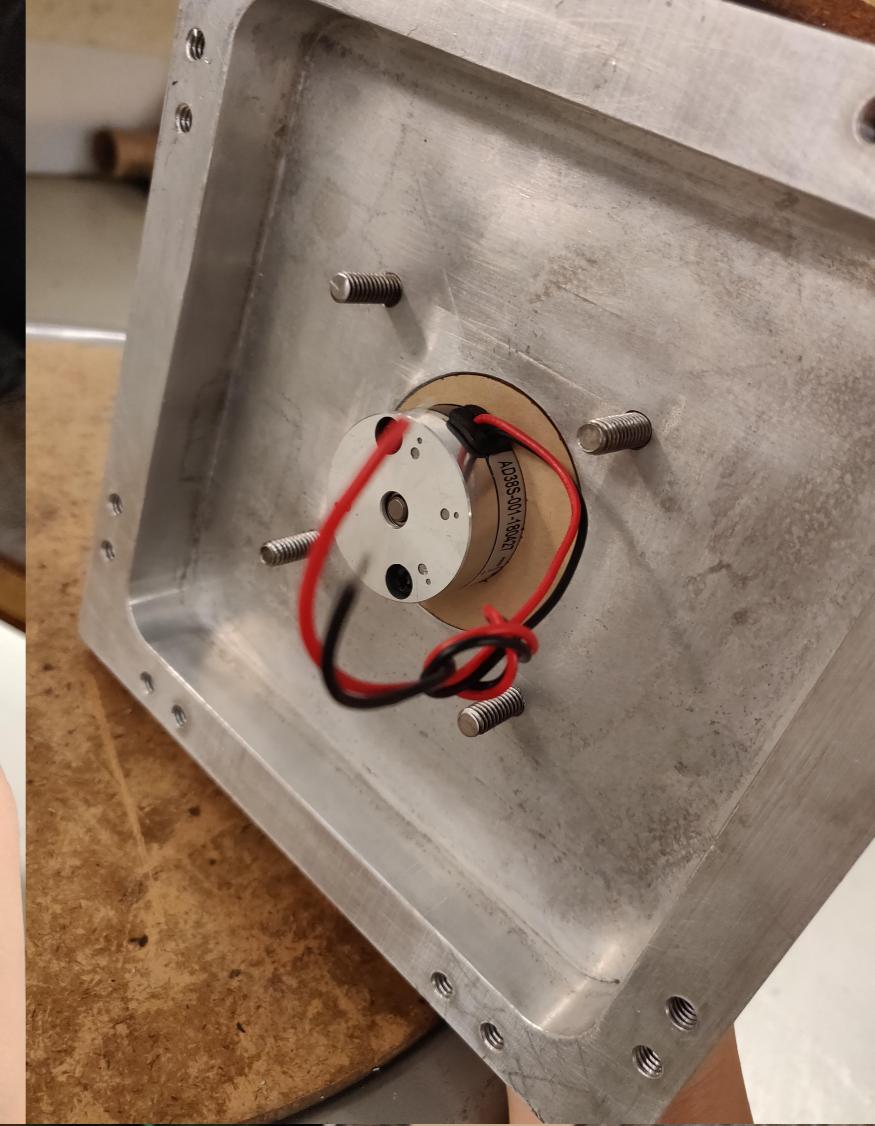
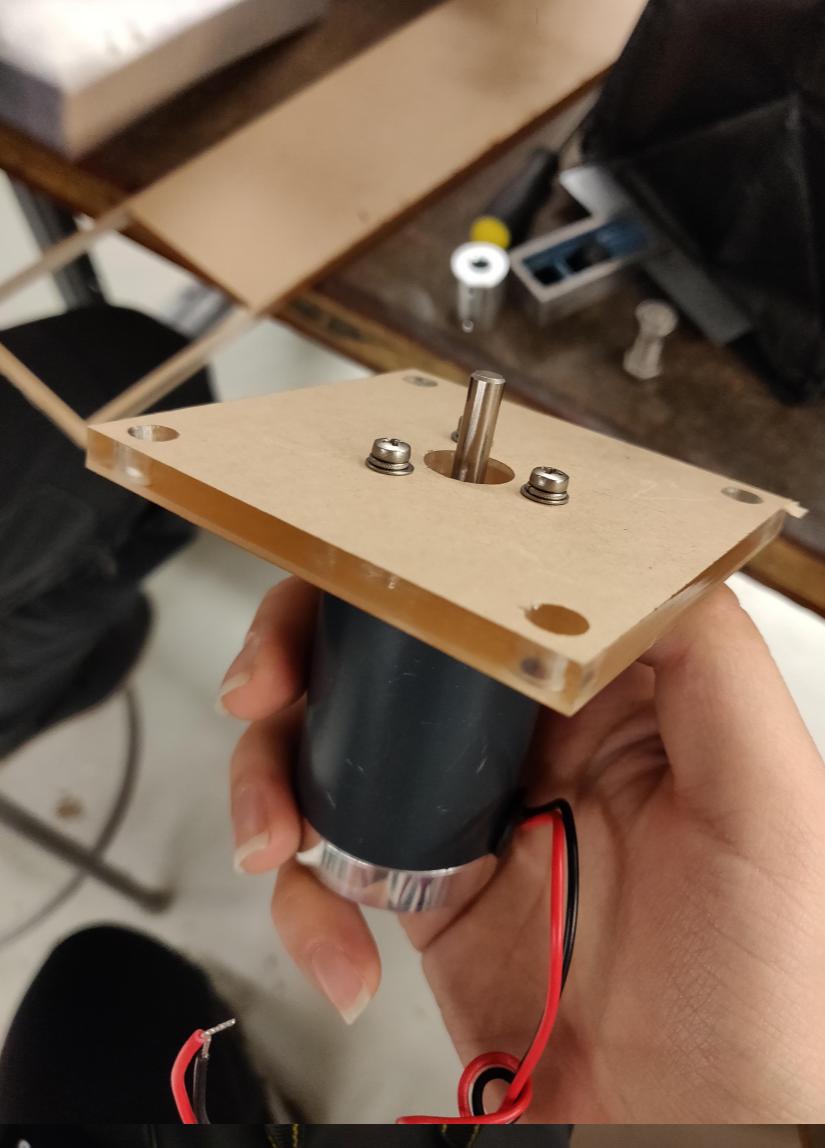
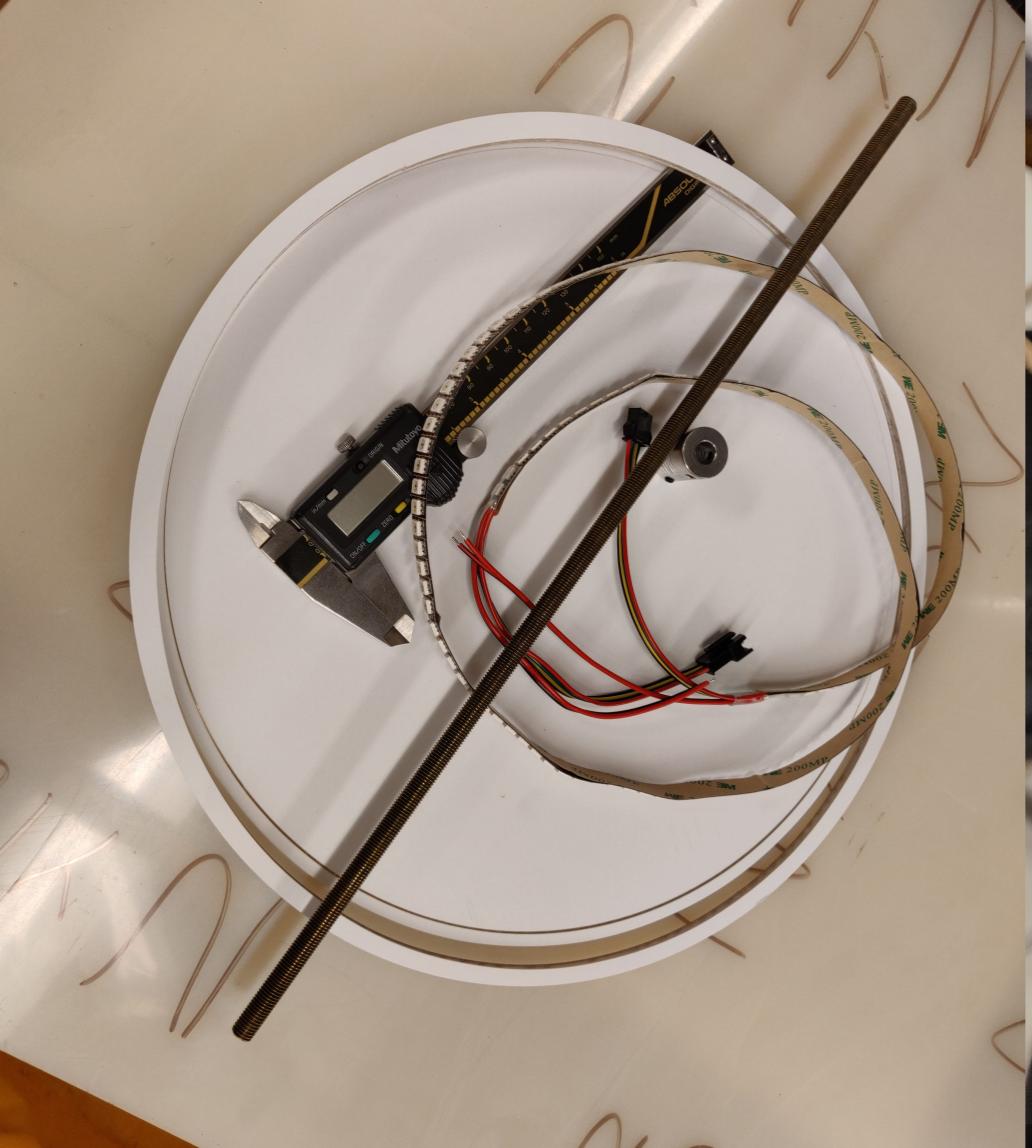
Dept.	Technical reference	Created by Assel Dmitriyeva	Approved by
Dimensions are in inches, unless otherwise stated		Document type	Document status
Title POV Globe		DWG No.	
Rev.	Date of issue	Sheet	1/1

BOM

Electronics:

1. Arduino Nano
2. APA102 LED Strip (144 LED/m)
3. Hall effect sensor
4. LiPo Battery
5. TP4056 Protect/Charge circuit
6. Ball Bearing
7. 12V 3000RPM DC Motor
8. 8mm/5mm Adapter





It's working! No vibrations! Yet..

