

WEBPAGE DEVELOPMENT AND REPOSITORY

- GitHub
- BootstrapMade
- Heroku
- MapBox

WEBPAGE VISUALIZATIONS

- DashPlotly

GRAPHICS:

<https://www.freepik.com/?fbclid=IwAR2pdVi3Hrs6a1dt93Qrpilr44WEx76d8oedf4v8J3h7m7V-zxQRagc1xxl>

<https://unsplash.com/?fbclid=IwAR3CwRpBSPWP2Ozihk9GINbAMi3oguPQd1SGUyIPObHJagPoRjMNwJGFPkY>

SOFTWARE:

- EAGLE (PCB Design)
- IntelliJ IDEA (Python IDE)
- GitHub
- Fusion 360 (PCB Design)
- PyCharm (Python IDE)

PYTHON LIBRARIES:

- Numpy
- Math
- Random
- Matplotlib
- Plotly

WIND FORECAST DATA:

Air Resources Laboratory: <https://www.ready.noaa.gov/READYcmet.php>

FUNDAMENTALS OF BALLOON FLIGHTS

https://www.grc.nasa.gov/www/k-12/WindTunnel/Activities/buoy_Archimedes.html

<https://www.grc.nasa.gov/www/k-12/airplane/atmosmet.html>

https://en.wikipedia.org/wiki/Armstrong_limit

<https://www.nasa.gov/scientific-balloons/types-of-balloons>

https://www.nasa.gov/centers/dryden/pdf/88377main_H-2044.pdf

https://www.nasa.gov/directorates/heo/scan/communications/policy/what_is_gps

MATH MODEL, BALLOON BURST CALCULATOR, FLIGHT PATH PREDICTION

<https://www.iastatedigitalpress.com/ahac/article/5581/galley/5447/view/>

https://www.grc.nasa.gov/www/k-12/Numbers/Math/Mathematical_Thinking/designing_a_high_altitude.htm

<https://www.asc-csa.gc.ca/eng/sciences/balloons/about-stratospheric-balloons.asp>

<https://biotsavart.tripod.com/balloon.htm>

https://www.engineeringtoolbox.com/hot-air-balloon-lifting-force-d_562.html

<https://launchwithus.com/lwu-blog/2016/6/26/near-space-balloon-burst-altitude-calculator-science>

<https://www.hightitudescience.com/>

<https://www.iastatedigitalpress.com/ahac/article/8327/galley/7923/view/>