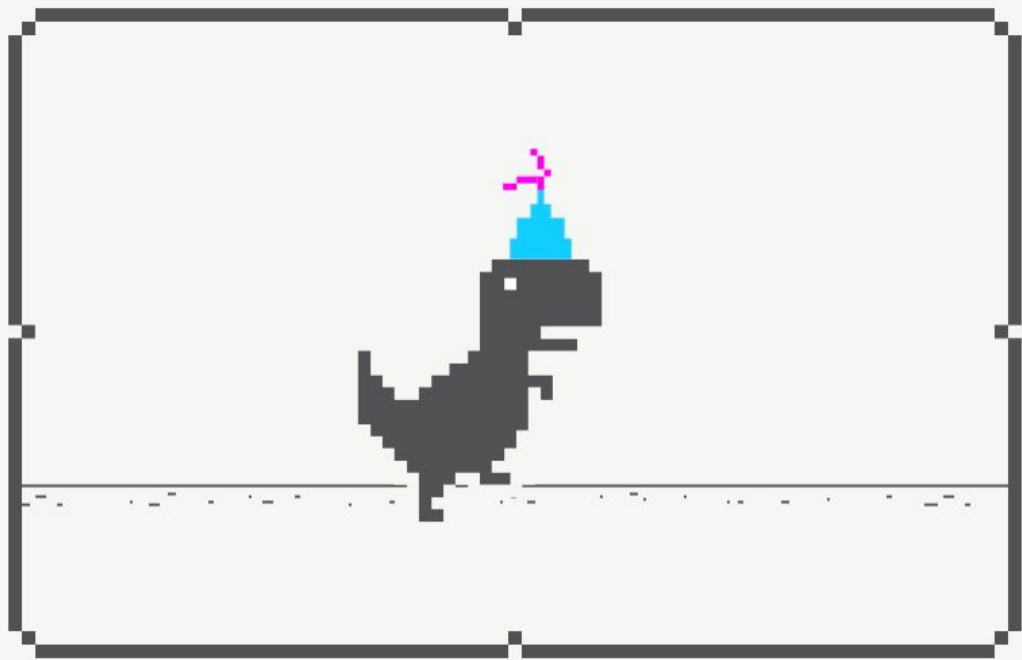


Flappy Bird

Sensathon 2023 - Space-Z



Idea

- Use analog nature of pressure readings
- Provide linear control in a game



No internet

Try:

- Checking the network cables, modem, and router
- Reconnecting to Wi-Fi
- [Running Windows Network Diagnostics](#)

ERR_INTERNET_DISCONNECTED

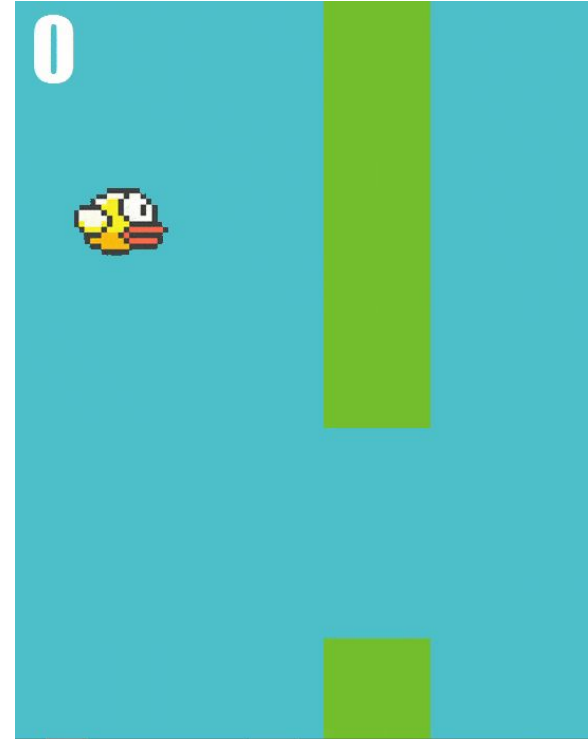
Hardware

- DPS368 Pressure Sensor 2GO Kit
 - Interface: I2C
 - Precision: ± 0.002 hPa (or ± 0.02 m)
- PC, running Arduino IDE and Python



Software

- Arduino code using XENSIV Digital Pressure Sensor library
 - Gets pressure readings with serial port
- Game source code by @kodexxx
 - Uses tkinter to draw a game screen
 - Modified to take pressure values as input
 - <https://github.com/kodexxx/flappy-bird>



Demo

Future Improvements

- Faster serial readings to make control smoother
- Add horizontal axis support for more range of inputs

Thank you!

Questions?