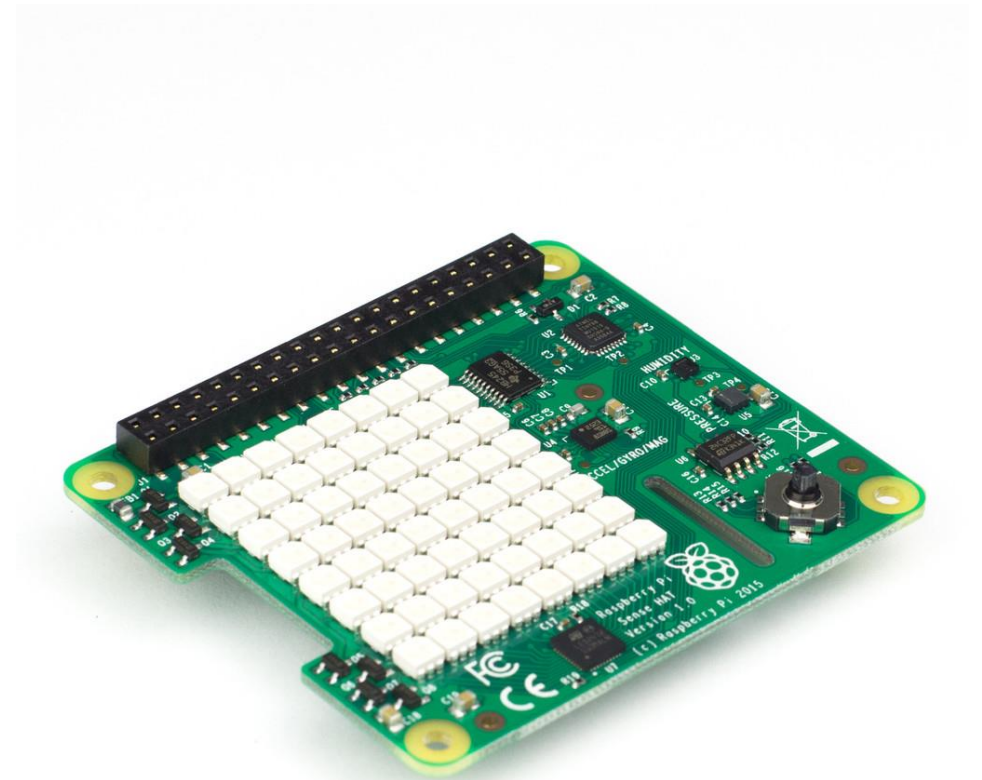# SENSE HAT

A Short Overview

by Paul Amazona

🐦 @whatevergeek
📷 @what3v3rg33k

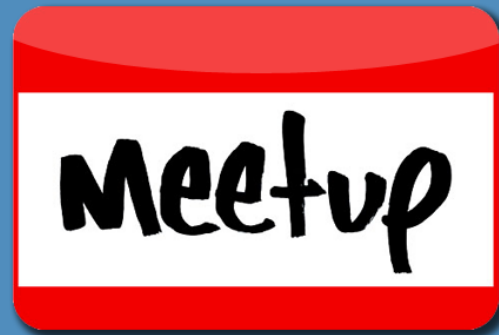# Brief Info
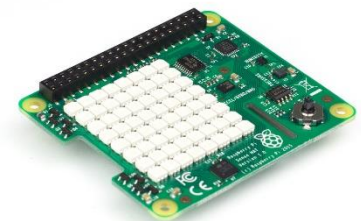## About Me

python newbie

edX freeCodeCamp(🔥)

coursera

MOOCs, MOOCs, MOOCs

311 Meetups in your groups

52 Meetups with friends

Meetup

SENSE HAT

joystick
temperature sensor
magnetometer
accelerometer
8x8 colored LED matrix display
gyroscope
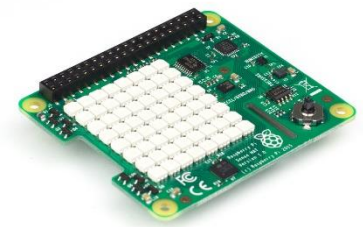air pressure sensor
humidity sensor

… all in one raspberry pi hat

SENSE HAT

Where do I start?

```
sudo apt-get update

sudo apt-get install sense-hat

sudo pip-3.2 install pillow
```

SENSE HAT

Sample Usage (Python)

```python
from sense_hat import SenseHat

sense = SenseHat()

sense.show_message("Hello world!")
```

SENSE HAT

DEMO 1:
Quick run through of features

Demo Reference:

Raspberry Pi - Sense Hat

RaspberryPiIVBeginners

Subscribe 60,525
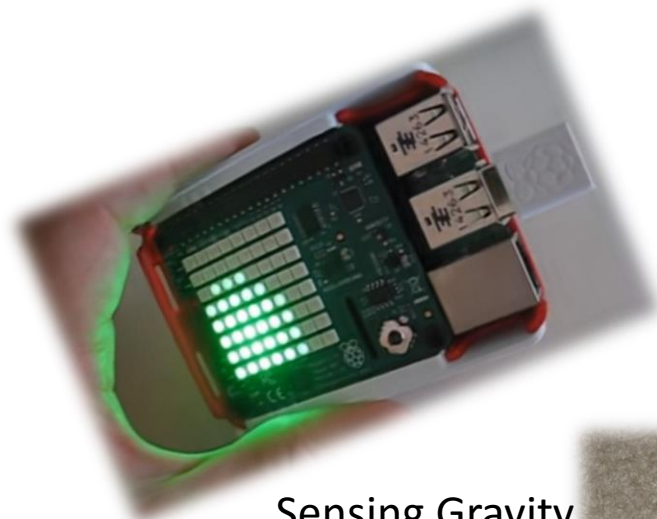
+ Add to   Share   ••• More

Published on Jan 14, 2016
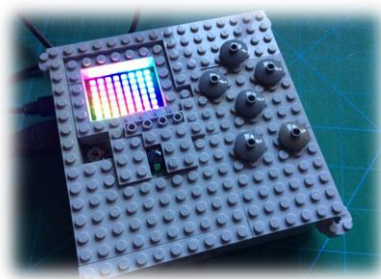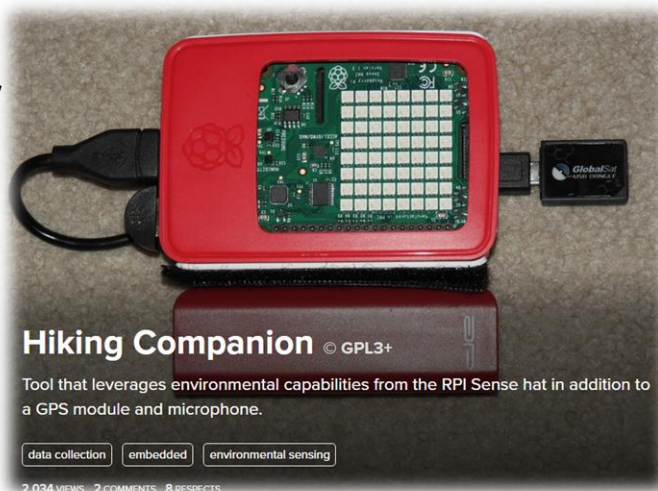YEAH Sense HAT
wget -o sensehat.zip http://bit.ly/1QF1U3B

SENSE HAT

What other people are doing with it?
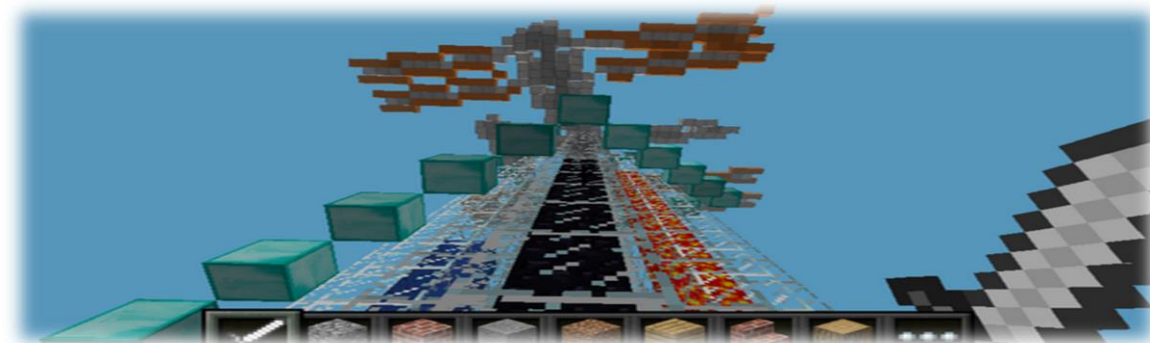
Compass

Sensing Gravity

Sweaty Astronaut

Make a Mini Weather Station With a Raspberry Pi 2 © GPL3+

Make a Mini Weather Station With a Raspberry Pi 2 and Sense HAT

internet of things   weather
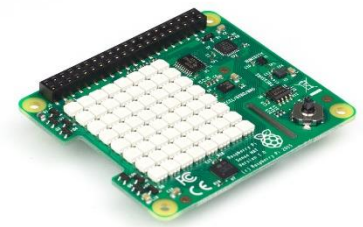
Hiking Companion © GPL3+

Tool that leverages environmental capabilities from the RPI Sense hat in addition to a GPS module and microphone.

data collection   embedded   environmental sensing

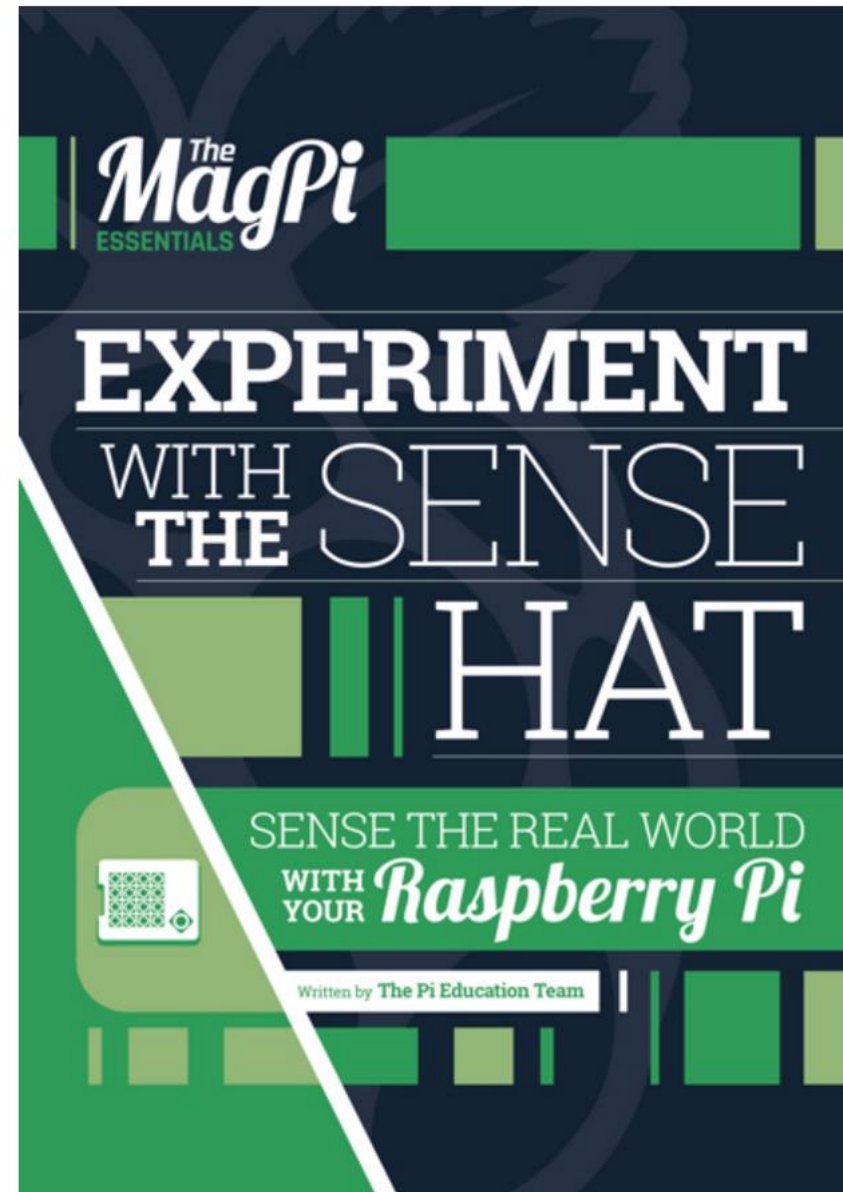SpaceCRAFT – visualizing sensor data in minecraft Pi edition

SENSE HAT

DEMO 2: FLAPPY ASTRONAUT++

SENSE HAT

DEMO 3: BOT DRIVER

Free Magazine

https://www.raspberrypi.org/magpi/