Cool Stuff You Can Do With Parrot Drones

And javascript. If that wasn't obvious.

Have you ever thought, if only I had a robot that was awesome and could do things for me?

It makes me sad that some people don’t know who this is. :(

This totally isn't that talk. Unfortunately, you won't get Johnny 5 out of hacking your drones with javascript.

You won't even get "Batteries Not Included".

Stuff You'll (Hopefully) Learn

- A few drones that work well with javascript
- How to find out if your drone supports javascript
- The basics of controlling a Parrot drone
- The basics of using a new BLE device

Parrot Drones

- Tend to work well with javascript
- Already have libraries
- Are either BLE or Wifi
- Run a version of linux onboard for people who love hacking

If you control it with your phone, you can control it with javascript…

Theoretically

If your drone DOESN’T have a driver… what do you do?

Is your drone BLE or Wifi?

- If your drone is BLE, you can start looking at Noble and LightBlue

- https://github.com/sandeepmistry/noble

- https://itunes.apple.com/us/app/lightblue-bluetooth-low-energy/id557428110?mt=8

How does BLE work?

- BLE has **services** which has **characteristics**
- You write to a specific characteristic for a service
- Finding the data you have to write to these services is challenging

Noble

https://github.com/sandeepmistry/noble

Noble is a javascript module that helps you communicate with BLE. It runs the mini drone module for the Rolling Spider, and quite a few other BLE projects.

https://github.com/voodootikigod/node-rolling-spider

NOBLE Demo

Simple Rolling Spider Example

… if you still see this, Shawn hasn’t flipped to the code example yet.