

JS

#JSCConf2014

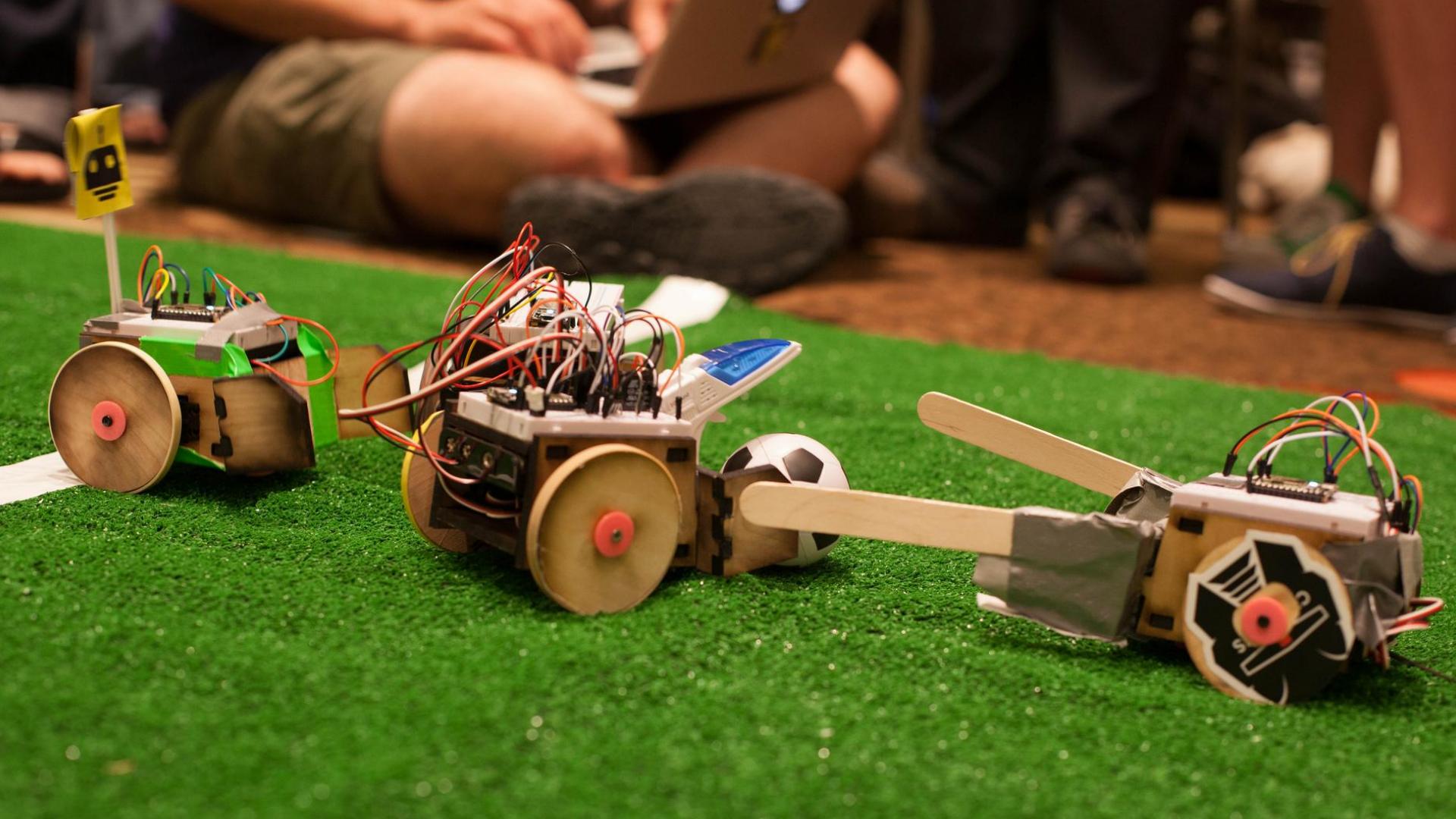
Jason / Christine / Patti

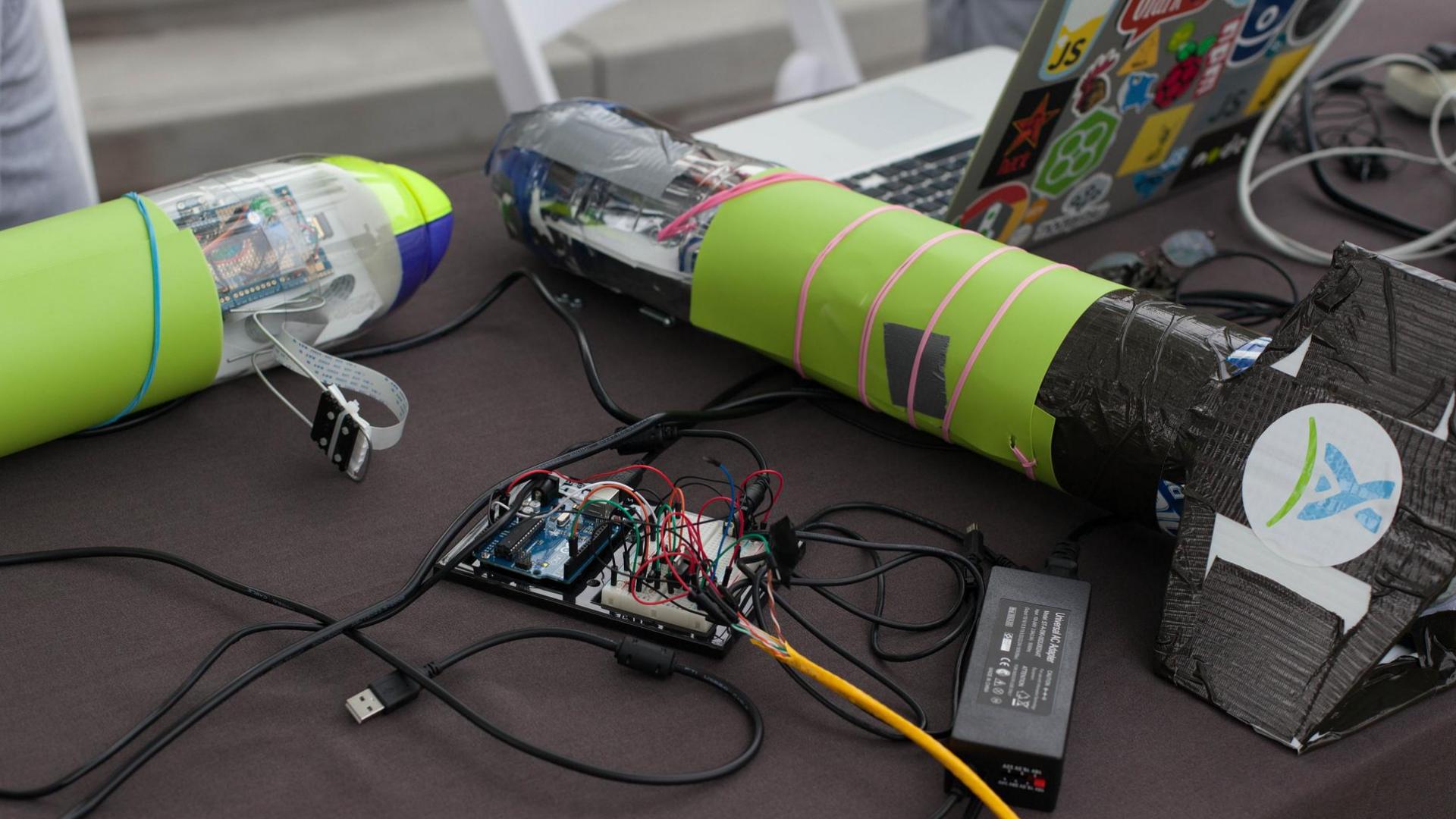
JSWut?

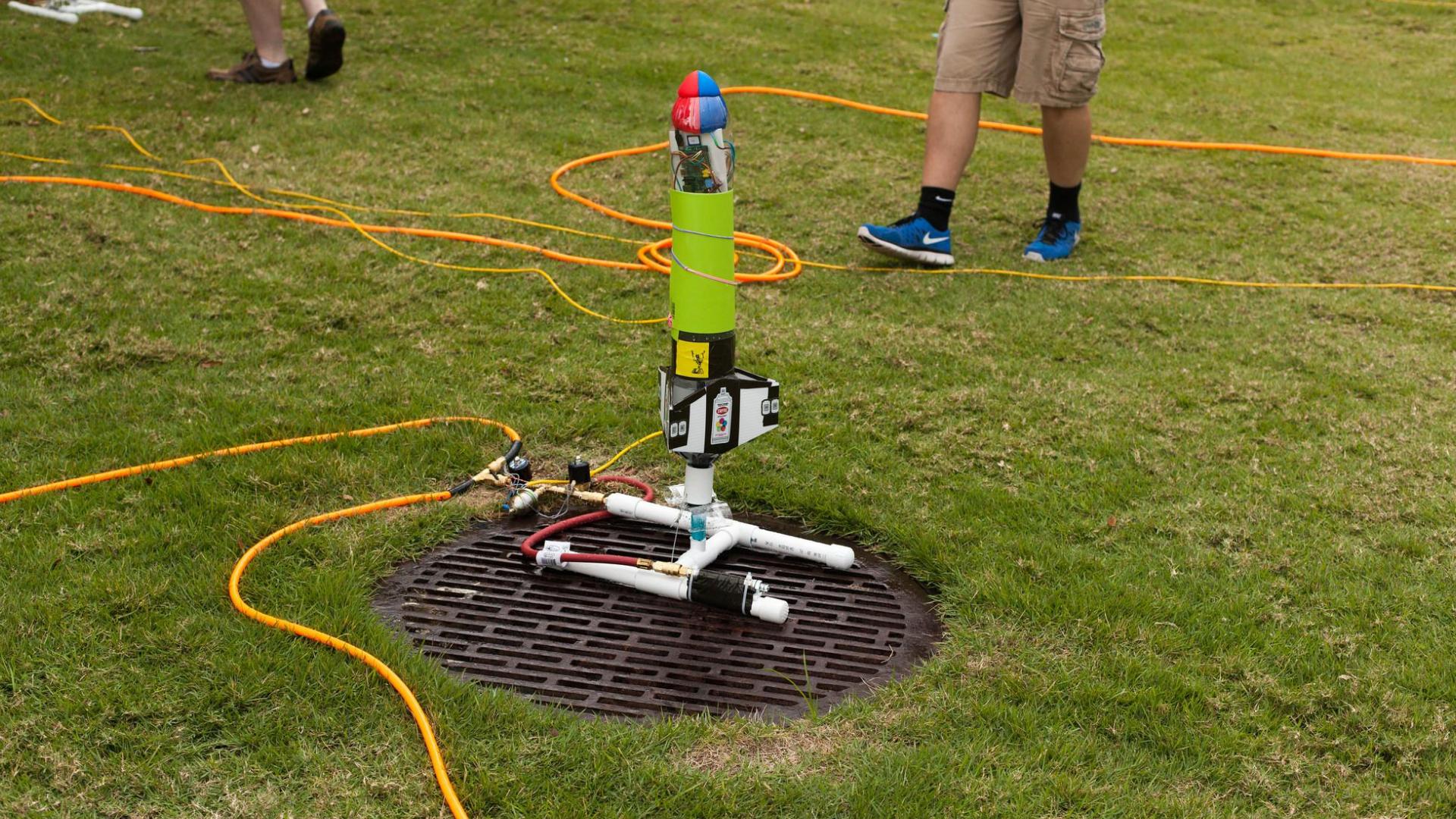
prettydots.com <--- for later yo!





















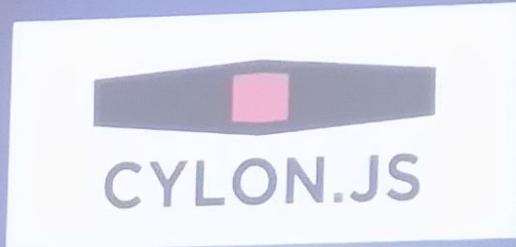


JSTrends

- npm install all the things
- Hardware and bots: using JS off the web
- Strong Mozilla presence, and some very cool tools in the works; time to stop making fun of Firefox?
- JS is a real community now; time to get meta.

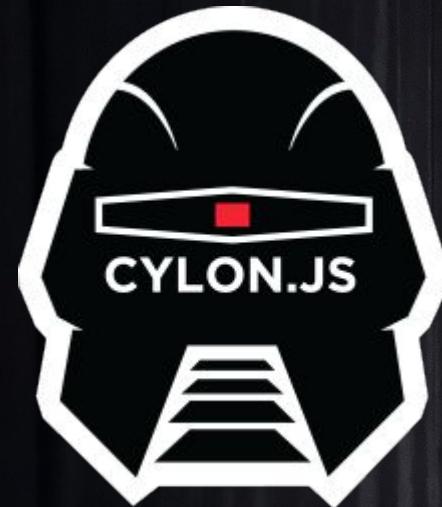
JS isn't just for
web app development
anymore...

It's for robots too!

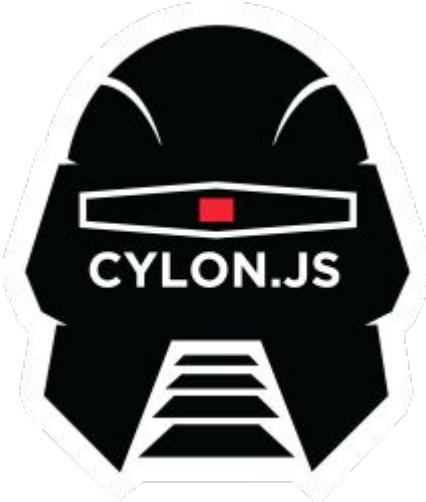


THE JAVASCRIPT EVOLUTION OF OPEN
SOURCE ROBOTICS

CYLONJS.COM



Cylon.js

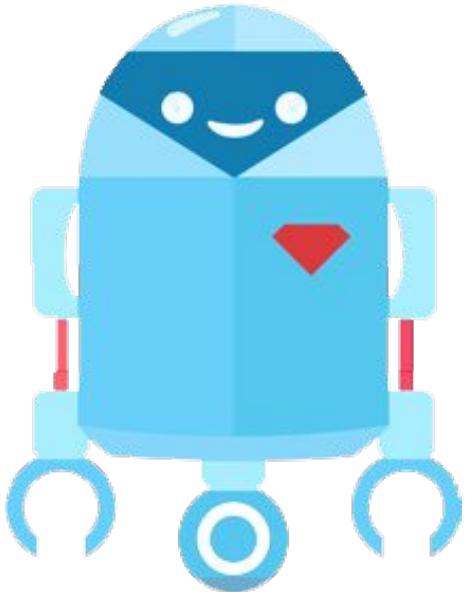


- JS Framework for Open Source Robotics
- Utilizes Node.js
- Great simple way to gain control of one or more devices at once
- Simply ‘npm install cylon’ and off you go
- Supports 19 platforms (i.e AR Drone, Arduino, Pebble)
- Enough of this ... let's see some code!

```
var Cylon = require('cylon');

Cylon.robot({
  name: 'everything_is_awesome',
  connections: [
    { name: 'ardrone', adaptor: 'ardrone', port: '192.168.1.1' },
    { name: 'pebble', adaptor: 'pebble' }
  ],
  devices: [
    { name: 'drone', driver: 'ardrone' },
    { name: 'pebble', driver: 'pebble' }
  ],
  work: function(my) {
    my.pebble.send_notification("Starting Drone Awesomeness");
    my.pebble.on('button', function(data) {
      my.drone.takeoff();
    });
    my.pebble.on('tap', function() {
      my.drone.land();
    });
  }
}).start();
```





Ruby folks → artoo.io



Go folks → gobot.io



NodeCopters!

Warning: Proceed with Caution.



NodeCopters

- Started by Felix Geisendörfer →
- Utilizes Node.js
- Connects to Parrot drone via WiFi
- ‘npm install ar-drone’
- Goal of the day:
 - Program drones to play football ... or what we call soccer :)



```
var arDrone = require('ar-drone');

var client =
arDrone.createClient();

client.takeoff();

client.after(5000, function() {
    this.front(0.05);
    this.down(0.05);
});

client.after(5000, function() {
    this.land();
    this.stop();
});
```

Basic NodeCopter programming



Retweeted by Felix Geisendorfer



[REDACTED] · May 29

#NodeCopter checklist:

- ✓ slashed finger
- ✓ chopped ear
- ✓ bruised head

everything is awesome #jsconf



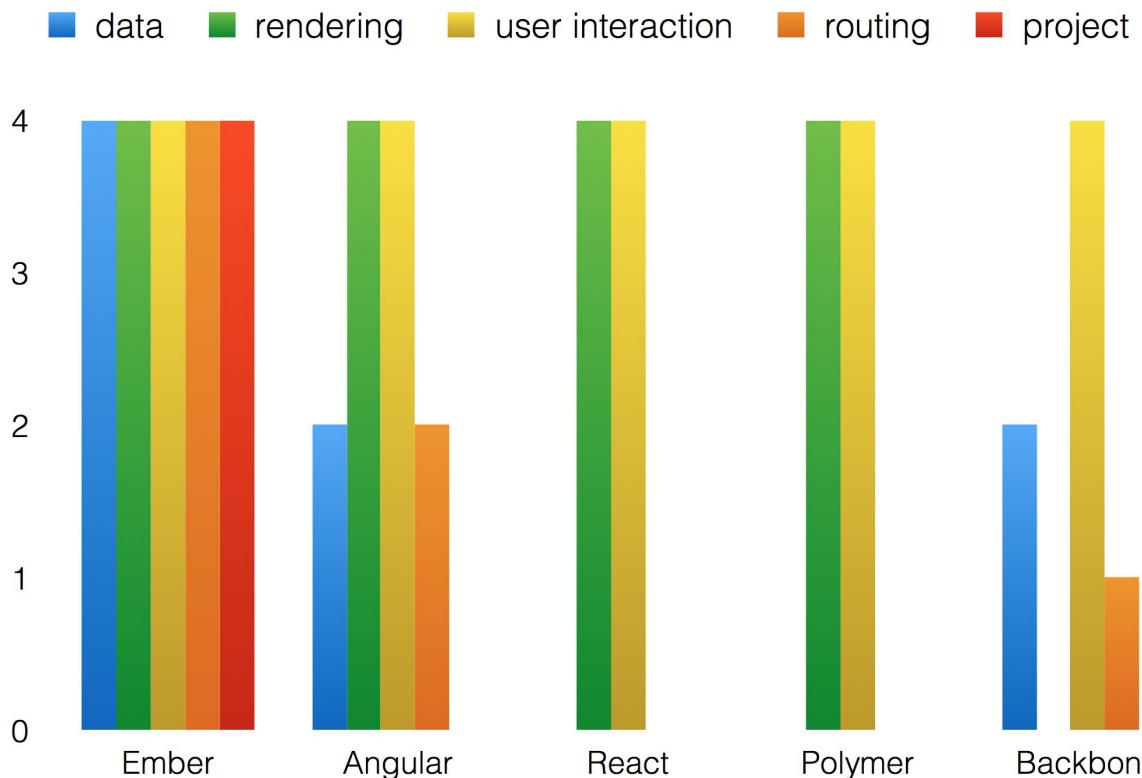
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...

Embularactymerbone



This is really
problematic...

Embularactymerbone

- JS frameworks have opinions...
- ...and so do developers.
- Use the right tool for your task and your team.



Ryan Florence @ Instructure
[Slides & Code](#)

Open Web Art

<http://vimeo.com/57248461>

Open Web Art

cell-flight.com

Open Web Art

<http://www.patatap.com/>

<http://instagram.com/p/eeBy9-Jv4P/>

<https://vine.co/v/hTDKF3Olue3>

<http://prettydots.com/>

Contributors Wanted

Cognitive diversity includes...

Perspectives: ways of representing situations and problems

Interpretations: ways of categorizing or partitioning perspectives

Heuristics: ways of generating solutions to problems

Predictive models: ways of inferring cause and effect

...and groups that have it outperform experienced ones on async tasks. Your open source project needs it.

Kate Hudson @ Mozilla / [Slides](#)

Being Human

Be nice to people, especially newbies :)

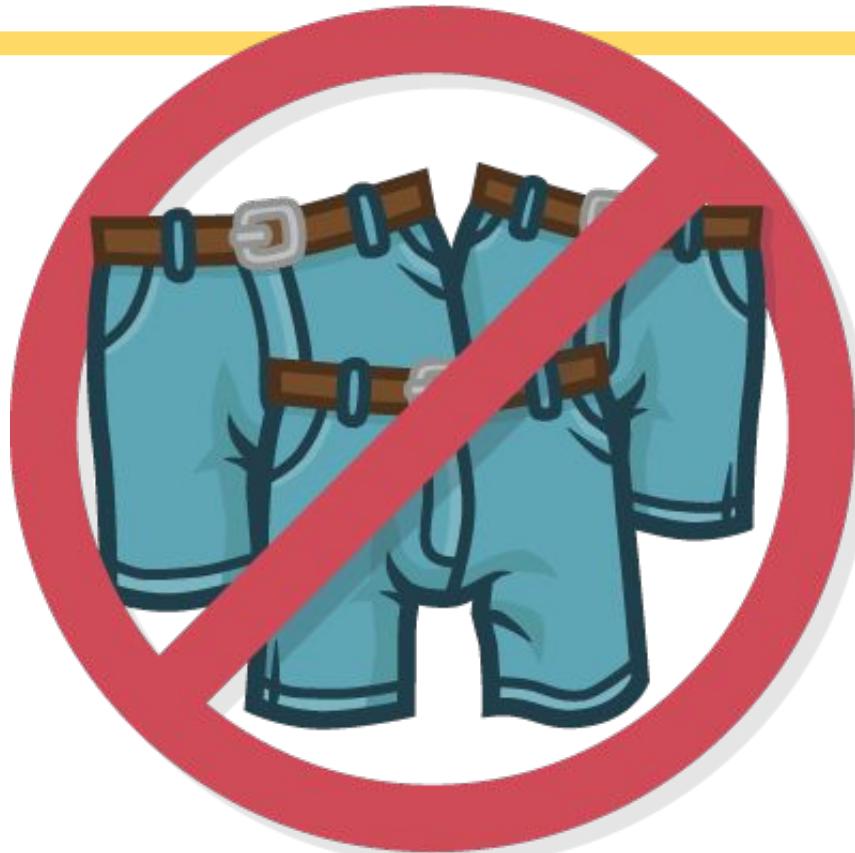
New default in open source is being
respectful if not downright nice.

Toxic attitudes: not productive or
welcome.

jortSort /

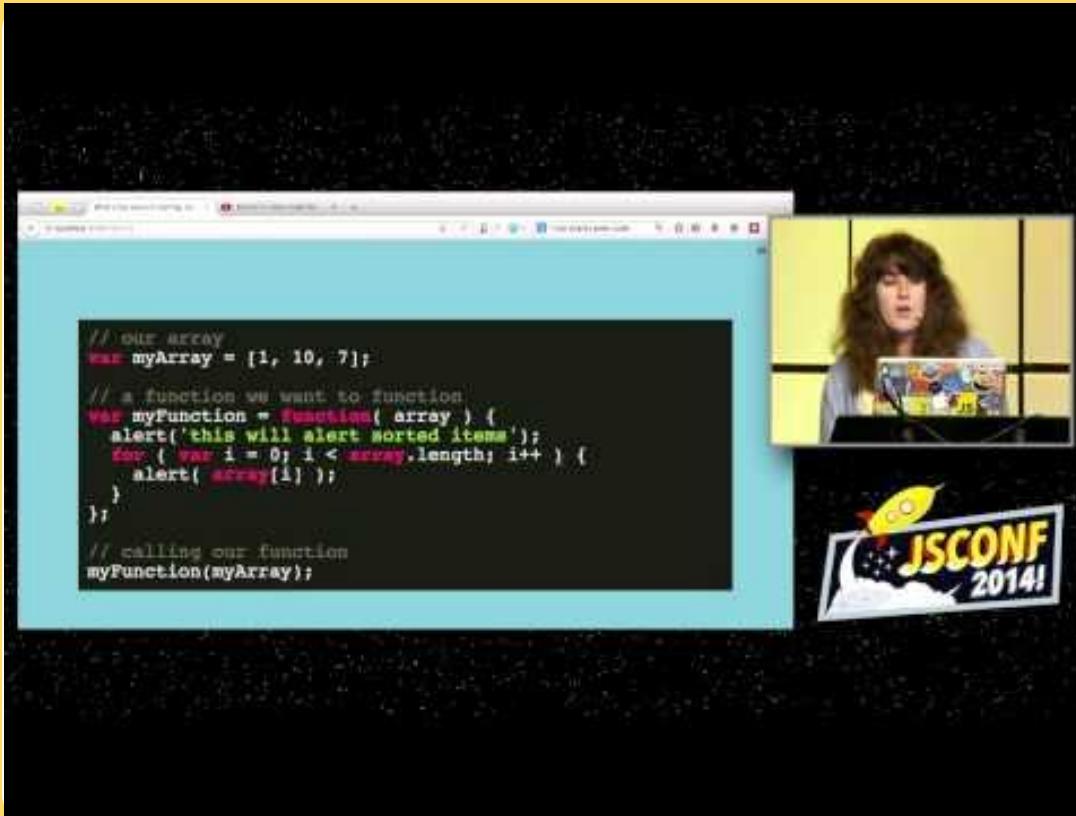
What's the Harm In Sorting: Sanitizing Inputs For More Optimized JS

does satire have a
professionally made
website?
<http://jort.technology>



Jen Schiffer @ Boucoup

jortSort / can sharks even code



it's
literally
JavaScript

Jen Schiffer @
Boucoup

Details.js

All the released videos (so far)

Some dude's notes and links to slides, etc.

Thank you, @willowtreeapps!

