CoffeeScript

-110 OIL

JavaScript with more sugar!

JavaScript

- * In browsers, on servers and as client utilities (with Node.js)
- * Dynamic typing:
 - * Or however you want to call it (weakly typed? uh...).
 - * Basically, assign anything to anything.
 - * Sometimes it'll be nice enough and crash (or return something that makes sense) during comparisons ("Array == Number").
- * Functions are first class citizens.

(Iced)CoffeeScript

- * JavaScript, with more sugar.
- * Eliminates some of JavaScript funkiness.
- * Adds some of its own.

* Compiler written in CoffeeScript (!)

Why you should switch (partially)?

- * Cleaner code (or is it?).
- * Less code, less bugs.
- * Integrates very well within Node
 - * Non-coffee modules can require coffee modules.
 - * Coffee can require non-coffee modules.
 - * ...deep down it's all JavaScript after all.
- * async/defer (in iced)!

Callback hell

- * Callback driven language.
- * Passing functions which will be called when result is ready.
- * Can pass anonymous functions (lambdas).
- http://callbackhell.com/

If not Coffee, then?

- * TypeScript
 - * Type checking, strong Microsoft support.
- * Elm
 - http://elm-lang.org/
 - * Functional Reactive Programming (don't ask me, I'm clueless).
- * Wait till ECMA Script gets better?
 - * And implemented in all browsers (lol).
- * Join a campaign to include Python in browsers,
 - * or to have standardized bytecode.
 - Yeah, good luck with that.

More?

- http://coffeescript.org/
- http://maxtaco.github.io/coffee-script/
- http://coffeescriptcookbook.com/

'My god, how can you write a real program where you're just assigning random shit to other shit and expecting it to work.'

-John Carmack