Yandex

What helps us to write HQ JS?

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Code review

Many eyes see what one alone cannot

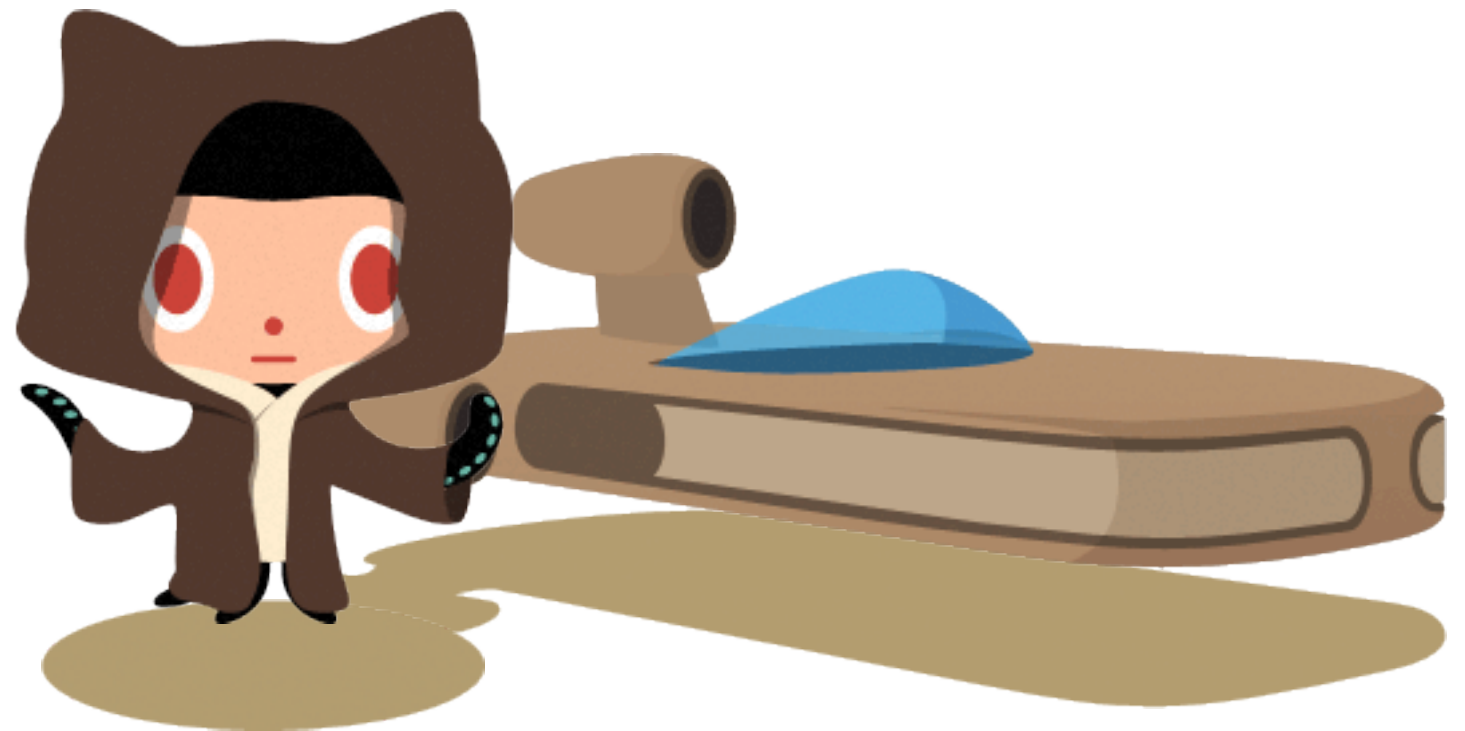*Grand Master Yoda*

So, why does it work?

- # Collective code ownership
  – Decrease the bus factor
  – Increase code reuse

- # Skills exchange

- # The Ego Effect

Atlassian Crucible

- Pre and post commit

- Version control agnostic

- Lots of features
  - progress meter
  - jira integration
  - statistics

github using Pull Requests

- That's FREE*

- Pre commits only

- No git-flow, Yes github-flow

hub makes you better at GitHub

```
# install on OS X
$ port install hub

# alias it as git
$ alias git=hub

# open a pull request for a branch, put its URL to the
clipboard
$ git push -u origin feature
$ git pull-request | pbcopy

# put compare URL for a topic branch to clipboard
$ git compare -u feature | pbcopy

# see the current project's issues
$ git browse --issues
```

Static code analysis

Mistakes are always easy to see in retrospect

Obi-Wan Kenobi

JS Hint - usage example

```
/*jshint unused: true, es5: false, undef: true */

var foo = {        << Defined but never used
    a: 1,
    b: 2,          << Extra comma
}, super,          << Reserved word
nums = {};

for (i = 0; i < 10; i++) { << Not defined
  nums[i] = function (j) {
    return i + j;
  };              << Functions within a loop
}
```

JSHint for style guides

- ## Max number of
  - line length
  - function params
  - function statements
  - nested blocks depth

- ## Tab width and whitespaces

- ## Quotation marks and lots of other cool staff…

Force to use…

HOOK
PRE-COMMIT

```sh
#!/bin/sh –e
case "${1}" in
   --about )
     echo "check *.js files using jshint";;
   * )
   for FILE in $(git diff --cached --diff-filter=ACMTR --
name-only HEAD | grep -e '\.js$'); do
     echo jshint $FILE
     jshint $FILE
   done;;
esac
```

CSS LINT - bonus track =)

```css
.column {
  display: inline-block;
  width: 50%;
  *width: 49%;           << Star prefix found
  font-size: 11px;
  background: rgba(0,0,0,0.5);   << Fallback should precede
  position: relative;
  float: left;    << Can't be used with display: inline-block
}
.column * {                    << Is known to be slow
  display: inline;
  color: black !important;       << Use of !important
  font-weight: bold;
  color: red;     << Duplicate property
  -moz-user-select: none;  << include -ms-user-select
  -webkit-user-select: none;
}
```

SUFFER THE PAIN OF
DISCIPLINE
OR
SUFFER THE PAIN OF
REGRET

That's all,
Any Questions?
@ MeTroFuN