



PLAY HARD. LEARN EASY.



# MEET-UP MITHRIL

Introduction & First Steps

[bit.ly/sparted-mithril](https://bit.ly/sparted-mithril)

# SPARTED




## INTRODUCTION




Chanto - Full-stack dev




# AUTHOR

 Search GitHub

Pull requests Issues Gist





**Leo Horie**  
lhorie


Author of MithrilJS


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 Human Design

 Toronto

 leohorie@hotmail.com

 <http://mithril.js.org>

Organizations



Overview **Repositories 31** Stars 3 Followers 370 Following 0


Search repositories...

Type: All Language: All

**mithril.js**  
A Javascript Framework for Building Brilliant Applications (development repo)


javascript xhr virtual-dom framework router mithril

JavaScript 7,257 567 Updated 3 hours ago




**rem**  
A starting point for big dreams

JavaScript 27 2 Updated 4 days ago



**mithril**  
Mithril.js - A Javascript Framework for Building Brilliant Applications

HTML 309 54 Updated 15 days ago



**js-framework-benchmark**  
Forked from krausest/js-framework-benchmark

# SIMPLE YET COMPLETE MVC

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**m.route**

m.fragment  
**m.jsonp**  
**m**

m.buildQueryString  
**m.trust**

m.parseQueryString  
**m.withAttr**

**m.mount**

**m.render**

**m.request**

**m.redraw**

**JS ONLY**

---



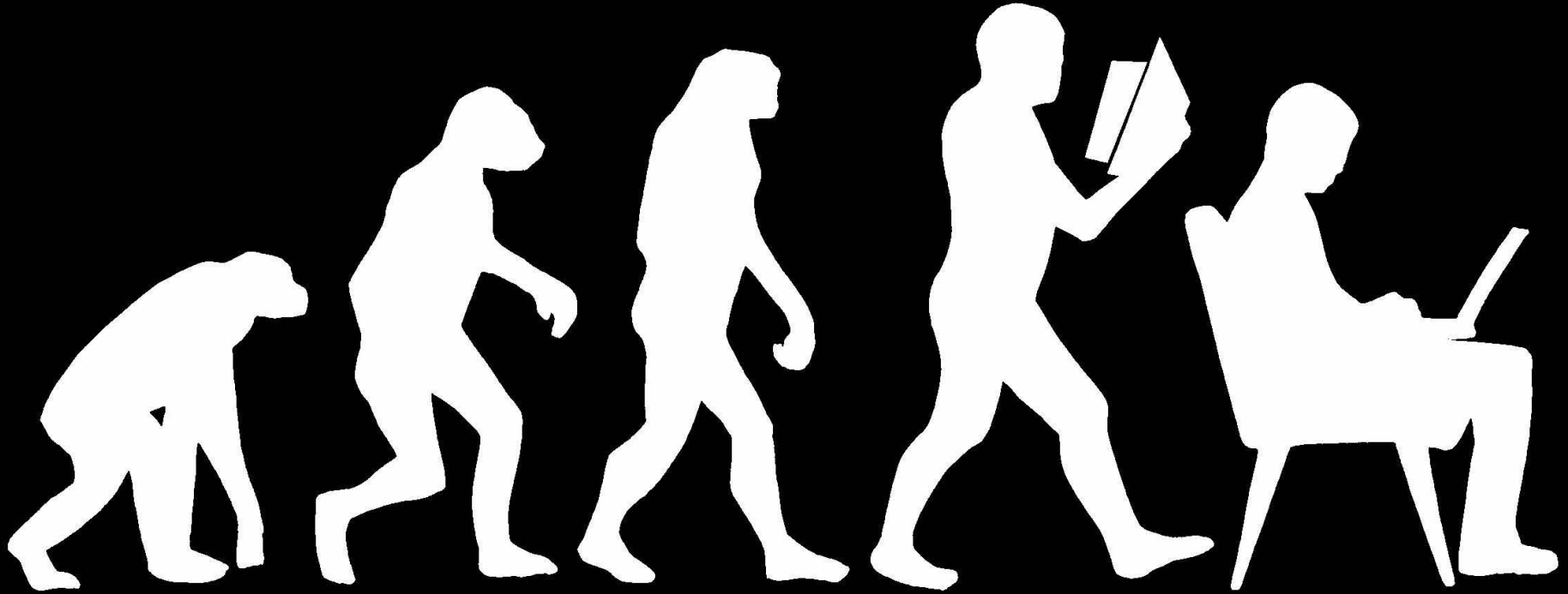
# COMPLEXITY

---

keep it simple

# LEARNING CURVE

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# WEIGHT AND SPEED

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## Download size

Mithril (8kb)

Vue + Vue-Router + Vuex + fetch (40kb)

React + React-Router + Redux + fetch (64kb)

Angular (135kb)

## Performance

Mithril (6.4ms)

Vue (9.8ms)

React (12.1ms)

Angular (11.5ms)



# API

---

```
var component = {}

component.helloWorld = function helloWorld() {
  alert('Hello world');
}

component.view = function view(vnode) {
  var state = vnode.state;
  return m('button.item', {
    onclick: component.helloWorld,
  }, 'Click Me');
}
```



# First App in Mithril

Robin - Full-Stack Developer



# LET'S CODE

---



<https://github.com/robinbiondi/mithril-todo>

# SPARTED

---

## ROUTING

Jo - Lead Developer

# LET'S CODE (AGAIN)

---



<https://github.com/robinbiondi/mithril-todo>

# SPARTED



## COMPARISON


Jo - Lead Developer



# REACT

---

12.1 ms

- + Very popular View framework
  - + Developed at Facebook
  - + Uses virtual DOM and lifecycle methods
  - + Organized in components
  - + Clear and well written documentation
  - Relies heavily on complex tooling
- 
- A decorative red geometric shape composed of several triangles and polygons, located at the bottom of the slide.

# ANGULAR


---

11.5 ms

- + Very popular MVW framework
- + Developed at Google
- + Flow control with extension of HTML
  - Highly complex implementation
  - Try to do everything you need in a strong opinionated way
  - Documentation is insanely complex



- + Framework in growing popularity
- + Try to unified best of the two worlds
- + Uses virtual DOM and lifecycle methods
  - Organized in components
  - Relies heavily on complex tooling
  - Pretty good documentation

- Full featured MVC framework for common necessities
  - Focus on efficiency
  - Only 8kb
  - Give you total freedom and responsibility
  - Clear and more than complete documentation
  - Small community
- 

# BENCHMARK

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- React:

<http://cdn.rawgit.com/lhorie/mithril.js/rewrite/examples/dbmonster/react/index.html>

- Angular:

<http://cdn.rawgit.com/lhorie/mithril.js/rewrite/examples/dbmonster/angular/index.html>

- Vue:

<http://cdn.rawgit.com/lhorie/mithril.js/rewrite/examples/dbmonster/vue/index.html>

- Mithril:

<http://cdn.rawgit.com/lhorie/mithril.js/rewrite/examples/dbmonster/mithril/index.html>

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