

Everybody Loves  
React







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# TONIGHT'S PRESENTATION

- ▶ Adding interactivity to a Rails application
- ▶ SVG with React
- ▶ 8 things you might not know about building a Single Page App (SPA) with React

### THE PROBLEM

- ▶ Basic Rails backend with typical CRUD
- ▶ UI Enhancement: Don't want a full page reload just to toggle a Boolean

### THE SOLUTION???

- I'll just write some jQuery!

```
1 $(function() {  
2   $('.toggle').on('click', function() {  
3     var $this = $(this);  
4     var url = $this.data('endpoint');  
5     var newState = ! $this.hasClass('on');  
6     $.post(url, newState, function() {  
7       $this.toggleClass('on');  
8     });  
9   });  
10 });
```

*document ready!*

*\$this*

*data attribute = flexible*

*don't make visual change until server returns success*

### COOL STORY, BRAH

- ▶ Nothing is ever simple
- ▶ State changes affect other bits of state
- ▶ Always displays a change in state as long as we get a reply
- ▶ Requires dedicated endpoints

# LETS REACT!

- ▶ Replace button with react component
- ▶ Collections of components
- ▶ Extract AJAX mixin