

RENDER LESS

CREATING PERFORMANT LAYOUTS

REACT BOSTON 2018 - COLE TURNER

**500 Items
1071 Nodes**



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@coleturner

- **Acquisition UI @ Netflix**
- Previously PayPal
- Copy pasting since 2004

REACT DEVELOPERS WORRY TOO MUCH ABOUT
AVOIDING RE-RENDERS

**BUT NOT ENOUGH ABOUT
HOW MUCH WE RENDER**

Layout Pitfalls

- DOM mutations
- Dynamic positioning
- Variable element sizing
- Render Everything

Layout Pitfalls

- *Reduce* DOM mutations
- Dynamic positioning
- Variable element sizing
- Render Everything

Layout Pitfalls

- *Reduce* DOM mutations
- *Absolute* positioning
- Variable element sizing
- Render Everything

Layout Pitfalls

- *Reduce* DOM mutations
- *Absolute* positioning
- *Fixed* element sizing
- Render Everything

Layout Pitfalls

- *Reduce* DOM mutations
- *Absolute* positioning
- *Fixed* element sizing
- *Virtual* rendering

**2000 Items
144 Nodes**

RENDER LESS:

- Minimize layout thrashing
- Use progressive enhancement, skeleton UI
- Virtual rendering: react-window / react-virtualized

THANKS FOR LISTENING!

YOU MIGHT ALSO BE INTERESTED IN:

- [React Performance Tools](#)
 - [CSS Triggers](#)
 - [Avoid Large Complex Layouts & Layout Thrashing...](#)
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<https://goo.gl/ogCwKA>