React in an hour or your money back: Hackpack

September 13, 2021 / 5:00 PM - 6:00 PM ET

Description

This isn't some random tutorial which throws you a bunch of example code that you go on to copy-and-paste and then leaves you hanging wondering what it does. The goal of the workshop is to give attendees a good hands-on foundation of the concepts within React, why people choose to use React, and how it works behind the hood. Hopefully, this gives you a good enough foundation to hit the ground running and avoid entire classes of bugs when starting out in React!
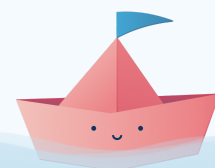
Learning Outcomes

Throughout this workshop, we'll cover a LOT of ground. Here are some of the things you can expect to come out of the workshop knowing:

- What React is and the basics of how it works under the hood
- JSX and writing React Components
- The React Lifecycle
- How to write functional components using hooks like useState and useEffect
- How to build a fully functional todo application in React

Prerequisite Knowledge

In order to get the most out of this workshop you should be comfortable with the following concepts:

- Basic knowledge of Git and Github
- Basic HTML, CSS, and JavaScript

Pre-Workshop Checklist

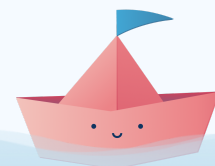Before the workshop, please make sure you complete the following items:

- Have VS Code installed.
- Install Node.js
- Have this React Template cloned locally. You can do this by doing
  `git clone https://github.com/jackyzha0/min-react.git`

Timeline (1 hour)

Time	Module	Description
5 min	What is React	The basics of what React is, where it excels, and what sets it apart
10 min	How React works	Why the Virtual DOM, components, and an intro to JSX
15 min	React Lifecycle + Hooks	Component lifecycle, why use hooks, useState + useEffect explained
25 min	Example React Project	Scaffolding a React application, creating a todo application
5 min	React Ecosystem and beyond	Styling, state management, SSR, deployment and more!

Workshop Lead Contact

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Additional Resources

Hack the North Resources

Hack the North 2021 Event Schedule

Check this out to stay up-to-date on activities, workshops, and other key happenings this weekend.

Workshop-Specific Resources

Jacky's React in 30min Blog Post

If you are more of a text based learner, this post is for you! Has pretty much the same content but in a nice blog format.

Workshop Starter Code

A minimal React template we'll be building off of for the workshop code-along section.

A [re]introduction to JavaScript

A good refresher (or introduction!) to JavaScript syntax and common pitfalls.

React in 100 seconds by Fireship.io

Amazingly short but accurate intro to React that will help you grasp the basics.

React Intro to Hooks

Official React documentation on lifecycle hooks and functional components.

10 React Hooks Explained by Fireship.io

If you can't already tell, I love Fireship.io and the way they are able to concisely and simply convey complex material. Great video on almost every React hook available, why they are used, and basic usage.