Pair-Programming: Optimizing Your Application

You can learn a lot on your own, but you can learn even more when you collaborate with others!

Pair Programming in the Front-End Engineer Path

As part of this Career Path, you will have the opportunity to connect with other learners to practice and apply your new skills. At this point in the path, **you are ready for pair-programming**. Throughout the career path, we will prompt you at specific intervals to work with peers, but you should feel free to pair-program as often as you like!

How to Pair Program with Peers

Step 1: Learn about Pair-Programming

We have compiled the best resources to get you prepared to pair-program [here in this article](). Check it out! No need to read it all at once; this information is intended for reference.

Step 2: Find Someone to Pair-Program with

[Visit your group]() and reply to the thread asking if anyone else is available to find a time to pair with you. Alternatively, reply to someone else who is looking for a collaborator. Another option is to seek out a partner in the [front-end-engineer channel in Codecademy's Discord server]().

When you arrive, be sure to introduce yourself with the following information:

- What % of the path you have completed
- What timezone or country you're in
- One fun fact about yourself

Step 3: Meet with Your Partner

Coordinate to meet using tools like [Codecademy's Discord server]() or feel free to DM a member of your group directly from the thread.

Step 4: Find Something to Pair on

Select what you would like to work on together. We suggest profiling your own React application with Chrome's profiler tool then auditing your site with Lighthouse. With a partner, apply at least 5 techniques to improve load times, then audit your site with Lighthouse again. This will help you to identify and fix inefficiencies in your web apps. Alternatively, solve a code challenge or come up with your own personal project.

FAQs

- **How will I remotely pair-program?**

  There are options! Google Hangouts, Zoom, and Discord all have good screen sharing features. Alternatively, you can create or join an existing Codecademy Chapter and have all the benefits of a Chapter to help you organize your peer group. If you want to invest in tools specific to pair programming, check out this list of 7 Collaborative Programming Tools.
- **What will we work on?**

  We've made a few suggestions that align with where you are in the path. However, feel free to find your own code challenges or go over a personal project instead.
- **Do I have to do this?**

  Nope! But the curriculum developers at Codecademy believe this is a strong pedagogical tool for cementing your learnings as a new developer.