**Remote Pair Programming Tools**

**What kind of products can be found?**

1. **Cloud IDEs**

Online code editors that allow you to write, edit, and debug code in your web browser.

CodePen, Codeanywhere and Google Cloud Shell

1. **Local IDEs**
2. Offer more features and customization than cloud IDEs
3. Must configure additional tools to share your computer’s screen.
4. **Code Sharing Tools and Playgrounds**
5. Websites and apps that allow you to share code snippets with others.
6. Simple and easy to use.

## 1.Live Share from VS CODE

## 2. Replit

* Replit is a collaborative web-based IDE. That means no download or installation of additional software is required. Just open a web browser.
* Supports over 50 programming languages
* Edit code with other developers in real time

## 3. CodeTogether

* Plugin is available for IntelliJ, Eclipse, VS Code, PhpStorm, and other JetBrains IDEs.
* Creates a session and shares link to other developers to join.
* Developers who join can directly make changes to code.

## 4. Alternative IDE “Atom”

## Very Similar to VS Code. One reason to consider trying the IDE is because the parent company is GIT so it has exceled build in version control features.

## Atom supports a package which was specifically made for it for Pair Programming called Teletype. It is extremely simple to install and get started with.

## >1minute Video of Representation of how Teletype works: https://teletype.atom.io/

## 4.5 EXTRA TOOL FOR ATOM (MOST EXCITING ) MOTEPAIR

## [Motepair](https://t.umblr.com/redirect?z=https%3A%2F%2Fatom.io%2Fpackages%2Fmotepair&t=OGZjMTdlZWE4ZmM5MTE5OTIyYTg2MjEyNGMwZGUyNjBjYjIwMTU0ZixCQk9COE1CNg%3D%3D&b=t%3ADDaQl2x7bo7_NjjU8PwG9g&p=https%3A%2F%2Fremotepairprogramming.com%2Fpost%2F111863763512%2Fmotepair-atom-remote-pair-programming&m=1) is an [Atom editor](https://atom.io/) package that lets you run remote pair programming sessions using Github's editor.

## Syncs up multiple Atom editors making actions like opening and closing files, switching tabs, selecting, moving your mouse, inserting and deleting, and getting replies from other editors possible.

## 5. Drovio and Screen.so

## Interactive screen-sharing app with a remote-control capability and audio and video chat support

## Host can share their screen, while other parties may have access to control the shared screen.

### 6. BONUS Teaching Specific (**[CodeSandbox Live](https://codesandbox.io/docs/live))**

Simultaneously create, delete, edit and move files and code in a sandbox, as well as chat about your changes and move these files.

**Classroom Mode**: Students can see everything you’re doing, but you control who can edit it. Just like a teacher calling students to the blackboard one at a time, to share what they’ve learned.

## Source

https://www.makeitinua.com/posts/13-best-tools-for-remote-pair-programming-in-2020

[Top 8 Remote Pair Programming Tools for Engineers (coscreen.co)](https://www.coscreen.co/blog/top-8-remote-pair-programming-tools/)

VS CODE **VS** ATOM

<https://www.softwaretestinghelp.com/visual-studio-code-vs-atom/#Atom_Vs_VS_Code_Feature-Based_Comparison>

[7 Collaborative Coding Tools for Remote Pair Programming - SitePoint](https://www.sitepoint.com/collaborative-coding-tools-for-remote-pair-programming/)

## UML VERSION CONTROL

Use PlantUML and embed UML diagrams into a GitHub markdown

<https://github.com/jonashackt/plantuml-markdown>

SoWkIImgAStDuGf8pSvELD2rKt3CIobAJInMi5BmpiilpqbDIK\_bSaZDIm4g0W00

## Second Approach

https://www.linkedin.com/pulse/version-controlled-diagrams-joseph-rios/