



VSCode

VSCode

Code editing.
Redefined.

Free. Built on open source. Runs everywhere.

Lightweight, streamlined version of Visual Studio

Highly configurable + customizable

Install [here](#)

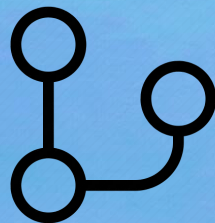
Major Features



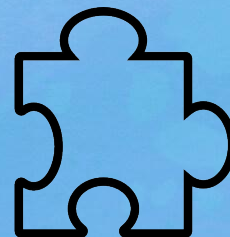
IntelliSense



Run + Debug



Built-in Git Integration



Extensions

One Shortcut to Rule Them All

- You can access the **Command Palette** using:
 - **Ctrl+Shift+P** or **F1** on Windows/Linux
 - **⇧⌘P** or **F1** on macOS
- This is your VSCode search engine; use it to look for and run any command you can think of in VSCode!
- You can look at the complete list of keyboard shortcuts:
 - [Here](#) for Windows
 - [Here](#) for macOS
 - [Here](#) for Linux

Extensions

- Make VSCode more powerful!
- Thousands of extensions
 - Language support
 - Workflow tools
 - Productivity
 - Appearance
- Find the VSCode Extension Marketplace [here](#)

Remote - SSH Extension

- Allows you to work on a remote machine while taking advantage of VSCode features
- Super useful for classes that require you to work on the andrew machines
- Frees you from the limitations of Vim



The Best of Both Worlds: Vim + VSCode

- Vim keybindings + VSCode capabilities
- You can use your mouse :)
 - No more `set mouse=a`



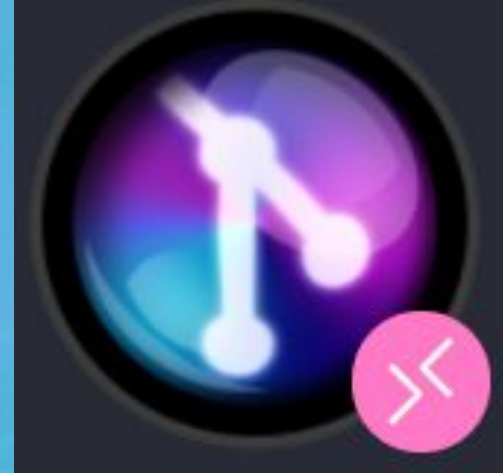
LaTeX Workshop

- Build LaTeX and preview PDF all within VSCode

A screenshot of the Visual Studio Code editor interface. The left pane shows the LaTeX source code for a file named 'latex_file.tex'. The code includes document class, package loading, title, author, date, and document content. The right pane shows the rendered PDF output, which displays the title 'Hello, World', author 'keif', date 'July 2021', and a section titled 'Introduction' with the text 'This is a latex document. Hello!'.

Gitlens

- Git = version control software (more to come soon)
- Extensive git capabilities on top of VSCode's
- Line-by-line blame (i.e. who wrote what)
- Collaboration is important!



Live Share

- Use Live Share to work on files collaboratively, like Google Docs but with code!





Visual Studio Intellicode

- provides AI-assisted development features for Python, TypeScript/JavaScript and Java developers in Visual Studio Code, with insights based on understanding your code context combined with machine learning
- Basically recommendation completions. Saves time

Instagram.....??



The screenshot shows an Instagram post from Tuomo Kankaanpää. The top part of the image is a dark-themed screenshot of the VS Code editor interface. On the left, the 'STORIES' panel is visible, showing four profile pictures. On the right, a code editor window displays TypeScript code with a red arrow pointing to the 'index.ts' file in the file explorer. Below the code screenshot, the post title is 'VS Code Stories - New Extension'. The post includes tags for #vscode, #news, and #webdev. The author's name is Tuomo Kankaanpää, and the post was published on Oct 30, 2020. The post text reads: 'Do you ever just wake up in the morning, open up VS Code, and think to yourself "Wow I wonder what other coders are doing around the world, what are they coding on?".'

VS Code Stories - New Extension

#vscode #news #webdev

Tuomo Kankaanpää Oct 30, 2020 Originally published at [codepulse.blog](#) · 1 min read

Do you ever just wake up in the morning, open up VS Code, and think to yourself "Wow I wonder what other coders are doing around the world, what are they coding on?".

(this is mostly a joke, but if you use this and find it fun then power to you :))

... and so much more!

- FiraCode | Monospaced font with ligatures (e.g. \neq vs. $!=$ or \geq vs. $>=$ etc.)
- TODO Highlight | Highlight any TODO's/README's/keywords to make them pop
- Bracket Pair Colorizer 2 | Color code pairs of brackets for easy reading `((()))`
- Code Spell Checker | Especially useful when latex-ing
- Path Intellisense | Autocomplete filenames
- CodeSnap | Capture screenshots of your code
- Random Everything | Generate random numbers, strings, dates, etc.
- SFTP | Remote file exploration, upload/download
- Language support (syntax highlighting, better intellisense, etc.)
 - Python for 15-112
 - c0 for 15-122 (created by the course staff!)
 - C/C++ for 15-122
 - SML for 15-150

Personalization

Give your editor a glow up with
color themes and icon themes

Find a lot of ~aesthetic~ themes [here](#)

Use **Ctrl+K Ctrl+T** to access your themes

No one:
People who use the light
IDE theme:



dark themes >> light themes

settings.json

⬡ Controls workspace and global settings (shocker)

- Language specific or project specific settings
- Examples: line length, formatting on save, extension settings

Resources

- We've barely scratched the surface - there's still so much more you can do!
- Useful sources of info:
 - The VSCode welcome page (what you see when VSCode opens)
 - The Official VSCode [Tips and Tricks](#)
 - Curated list of useful [VSCode packages/resources](#)
 - The VSCode website