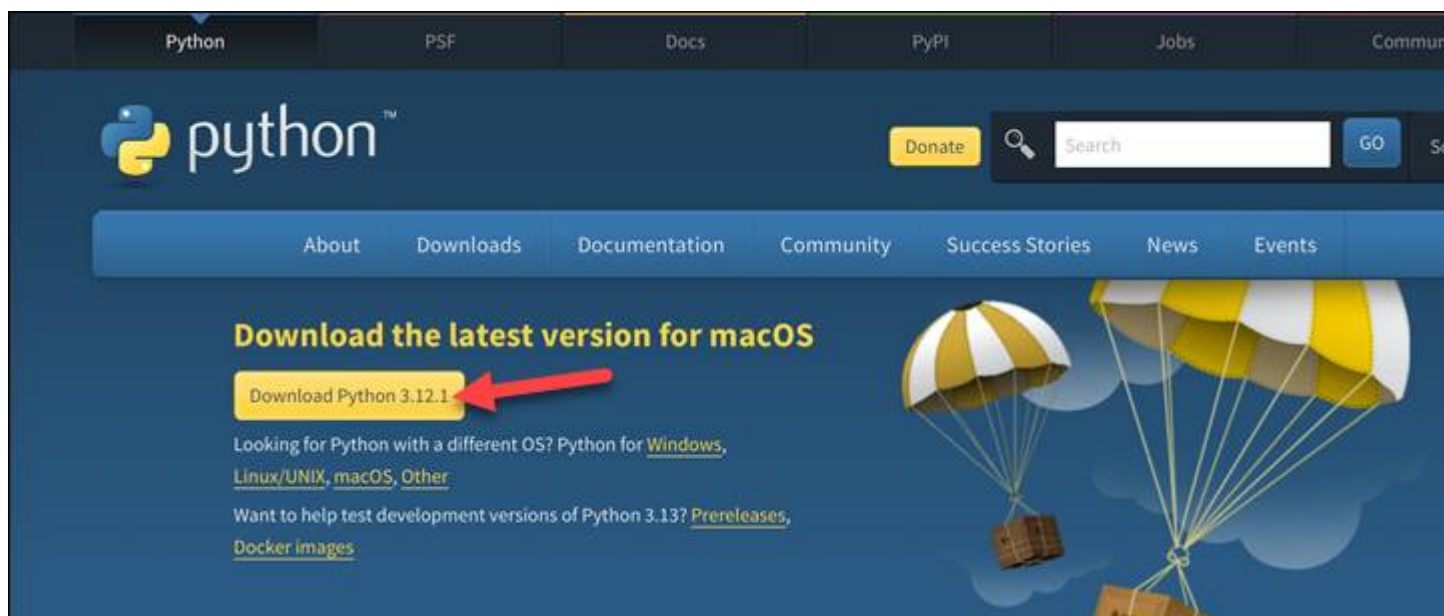# Install Python on Mac

The best way to install Python on macOS is with the **PKG file** from the official **website**. Follow the steps below to install Python on your macOS system.
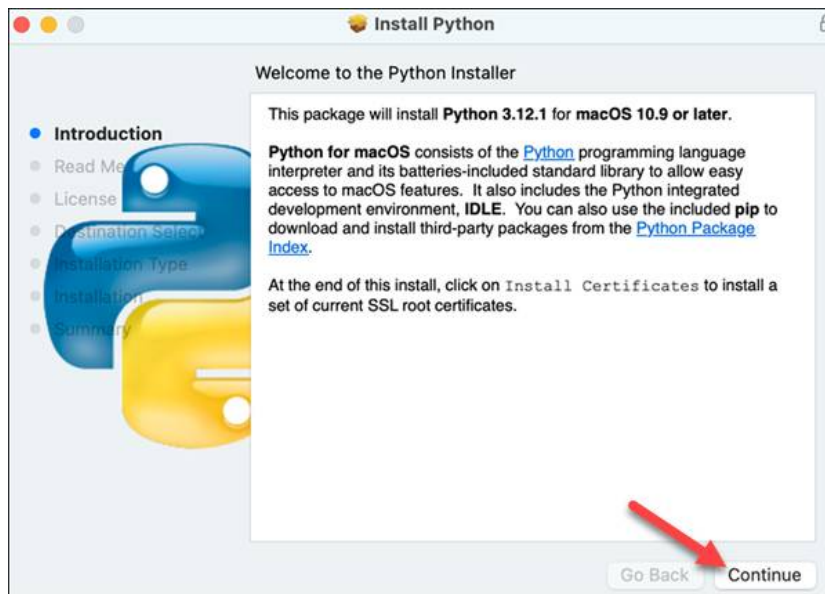
Step 1: Download Latest Version for macOS

Visit the official **Python downloads** page. Select the **Download Python** button and wait for the file download to finish.
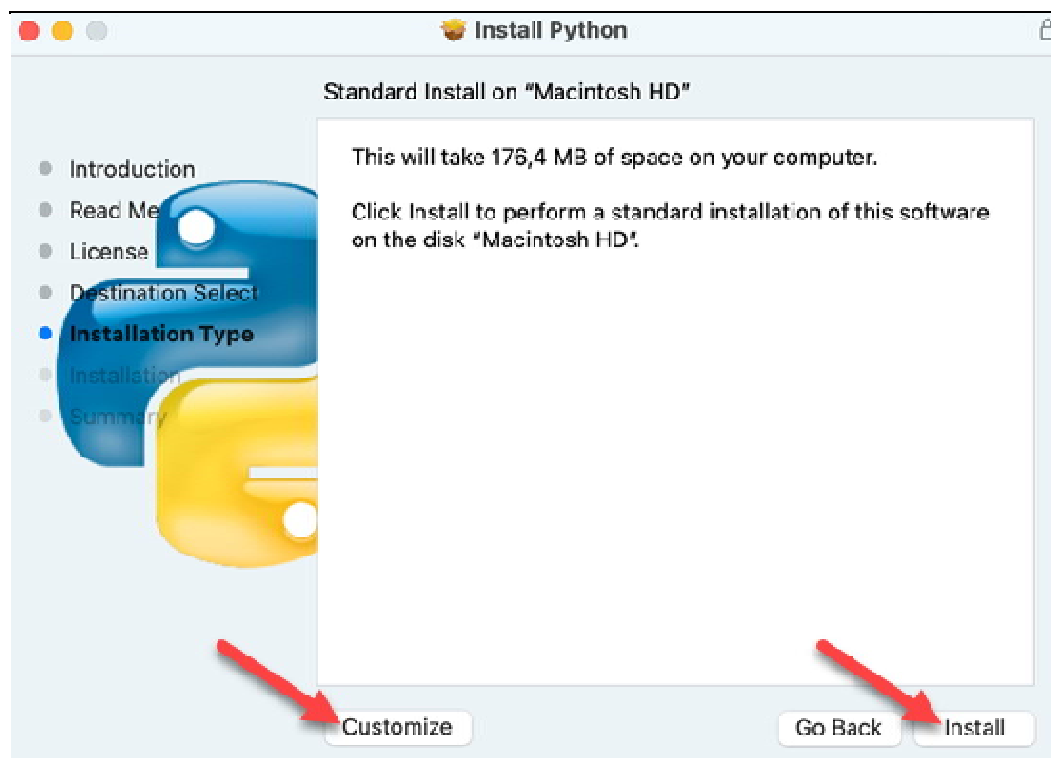

Step 2: Run Installer

Use **Finder** to locate the PKG installer and run it. Go through the installation steps by selecting **Continue**.
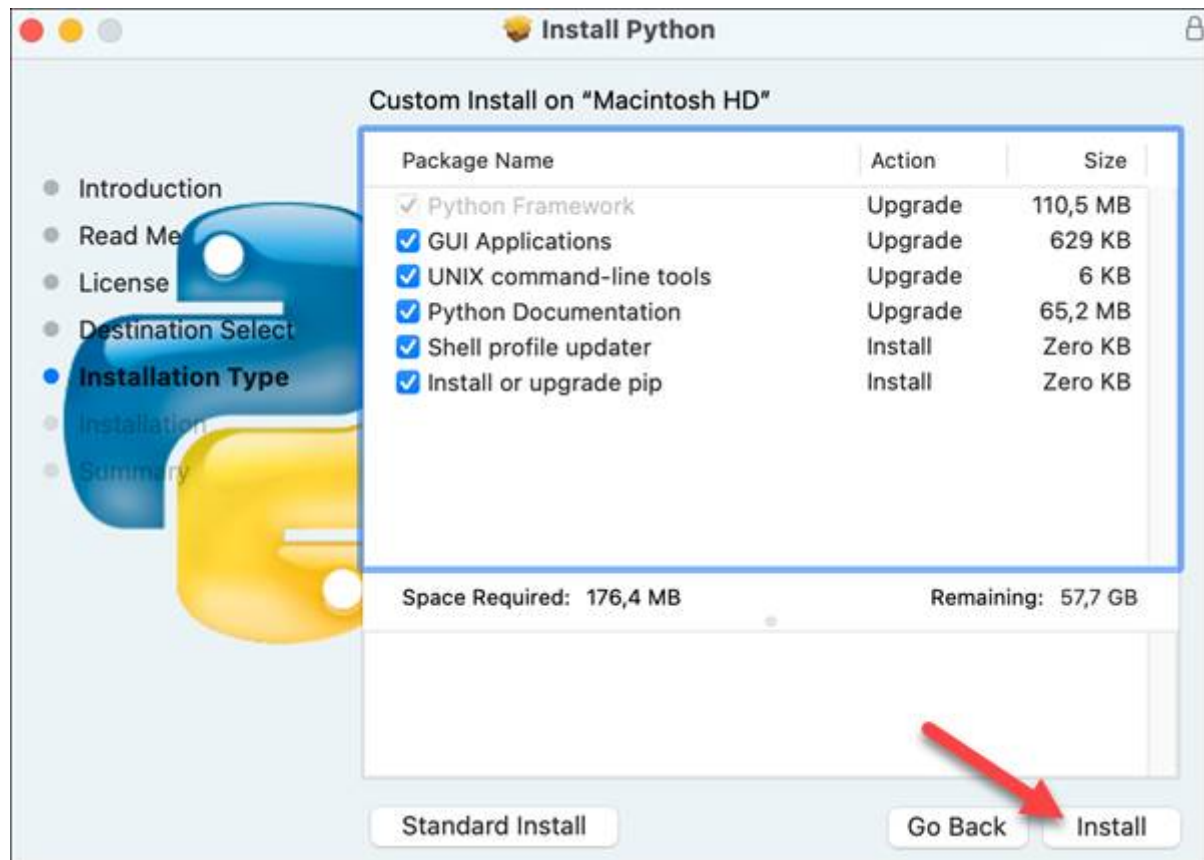
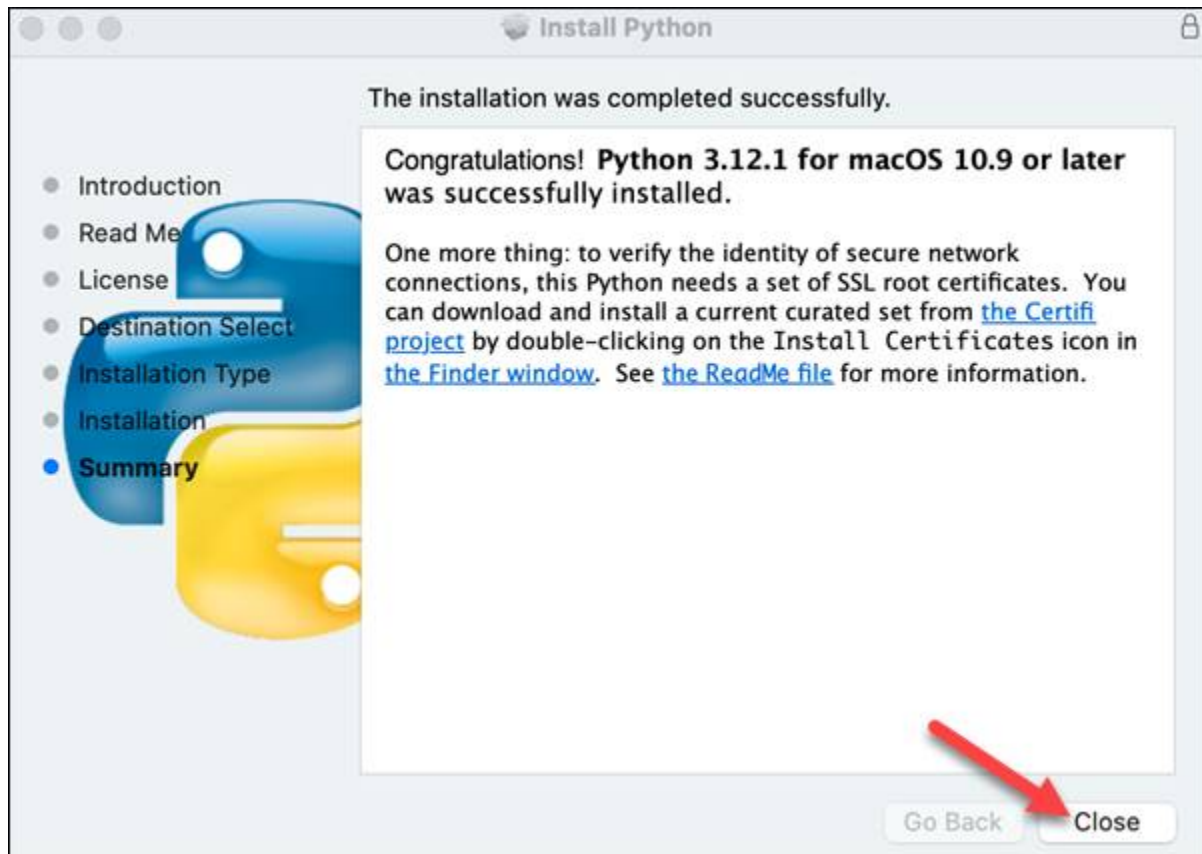The **Installation Type** section provides two options:

- Select **Install** to proceed with a standard installation.
- Choose which components to install by selecting **Customize**.

If you choose to customize your installation, select the components you want and select **Install**.

Wait for the installation to finish, then select **Close** to exit the installer.
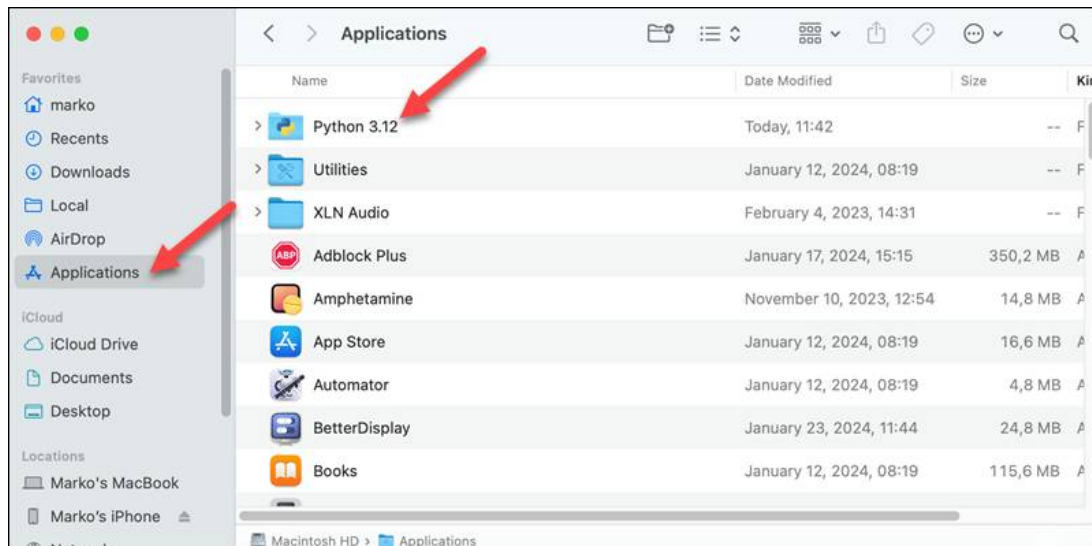
Note: If you have **Homebrew installed**, install Python with **brew install python@[version]**. For example, to install version 3.12, type **brew install python@3.12**. And Verify installation : python3 –version
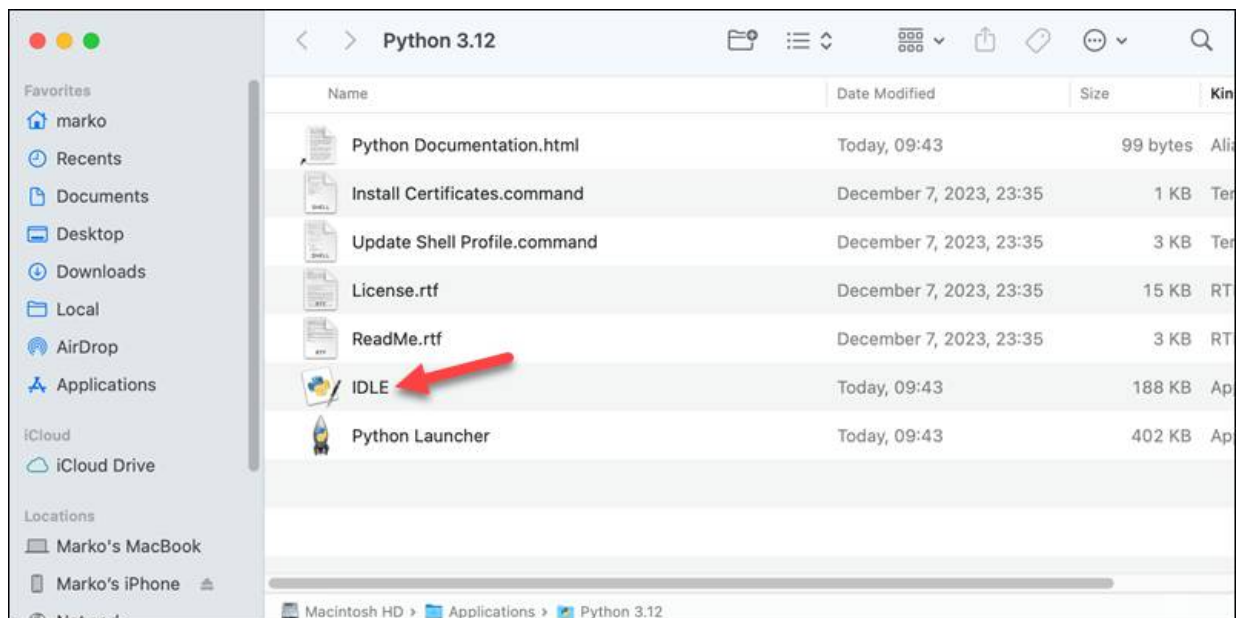
Step 3: Verify Installation

Test the new installation by checking the Python version, as described in the section above.

Alternatively, if you installed **GUI** applications, verify the Python installation by locating and opening **IDLE**, Python's native integrated **development environment**. Follow the steps below to find IDLE on your system:
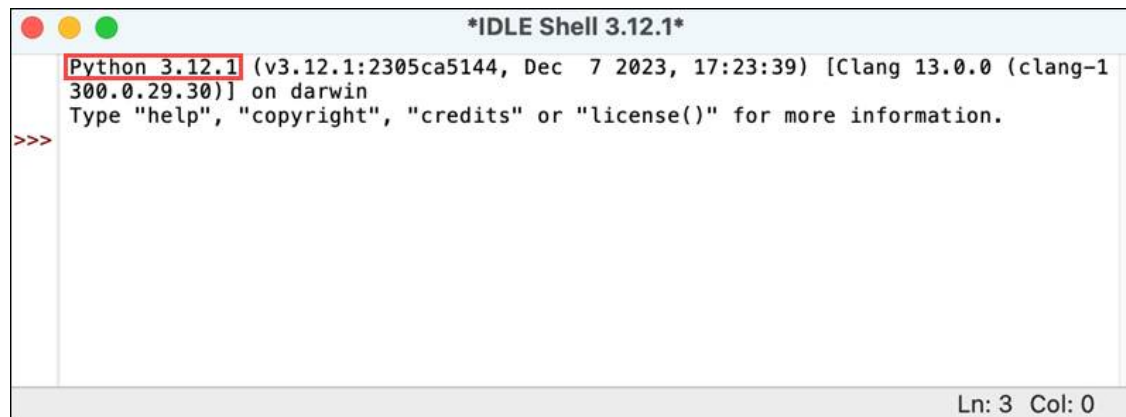
1. Press **Command** + **N** to open **Finder**.

2. Select the **Applications directory** from the menu on the left side of the screen.

3. Open the **Python** directory.

4. Double-click the IDLE icon to start the IDE.

IDLE shows the installed Python version in the header.

```
●  ●  ●                    *IDLE Shell 3.12.1*

   Python 3.12.1 (v3.12.1:2305ca5144, Dec  7 2023, 17:23:39) [Clang 13.0.0 (clang-1
   300.0.29.30)] on darwin
   Type "help", "copyright", "credits" or "license()" for more information.
>>>



                                                               Ln: 3  Col: 0
```
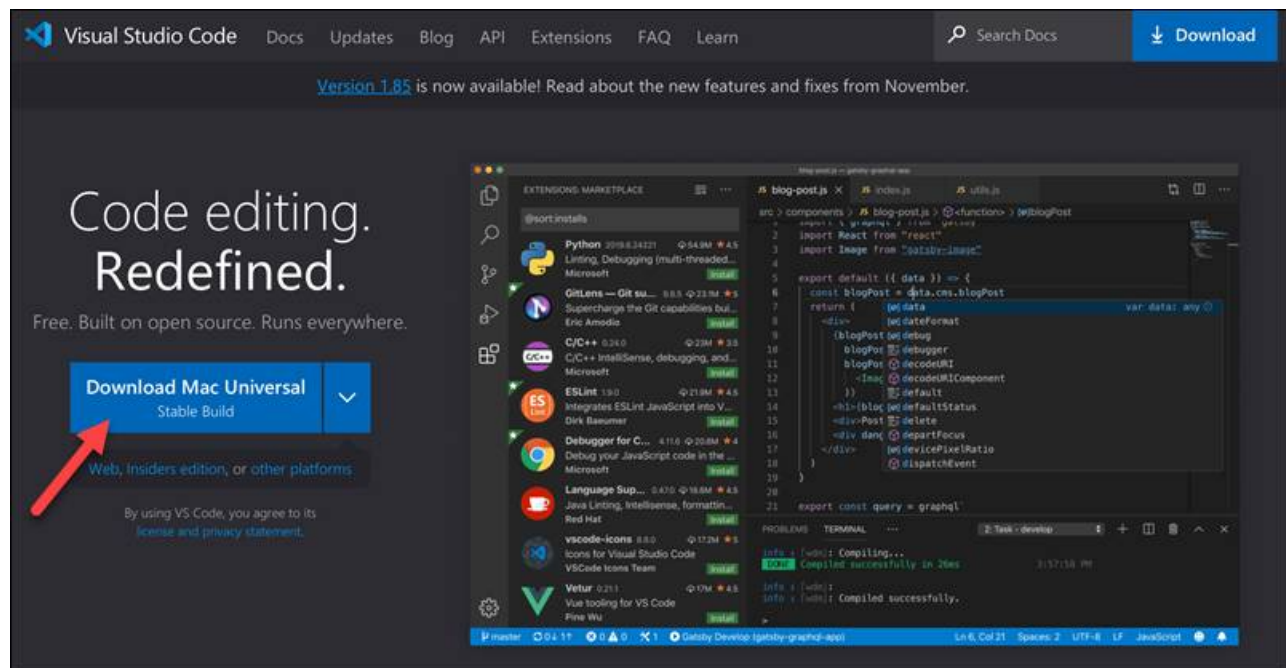
Install Visual Studio Code (VS Code) on macOS

If IDLE is not flexible enough, you can use another **Python IDE or code editor**. This tutorial shows you how to install VS Code, an extensible and lightweight code editor that fully supports programming in Python.
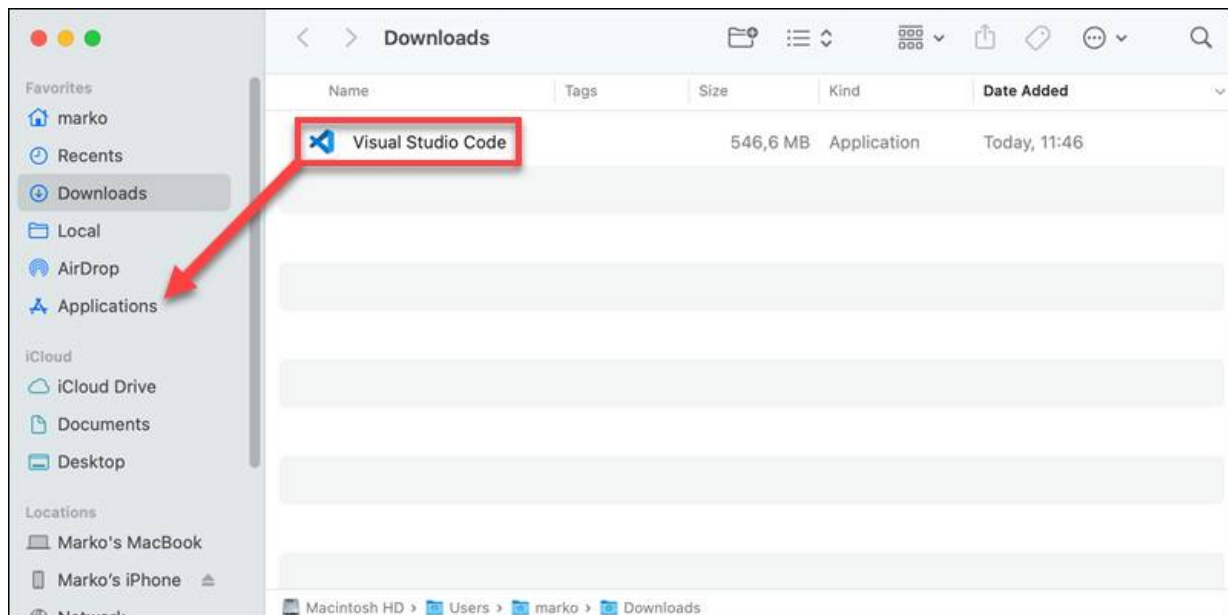
Follow the steps below to install VS Code on your macOS system:

1. Visit the official **Visual Studio Code website**.

2. Select the **Download Mac Universal** button and wait for the download to finish.
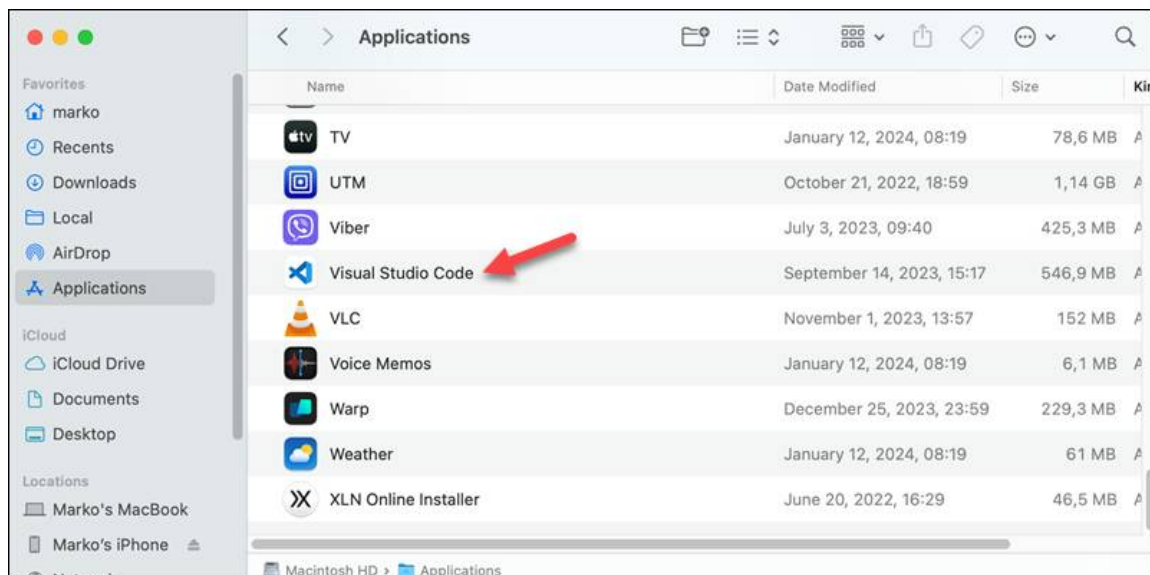

3. Use **Finder** to locate the downloaded application and drag it to your **Applications** directory.
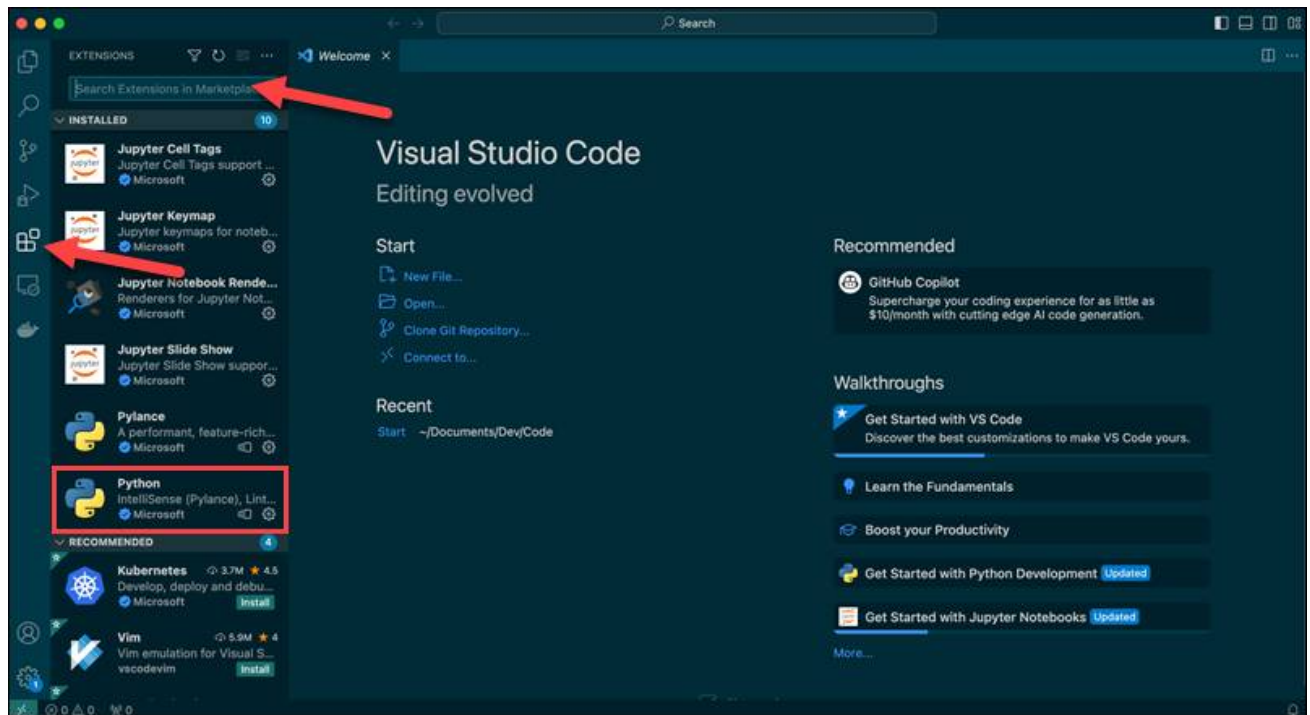
4. Start VS Code from the **Applications** directory.

5. In VS Code, select the **Extensions** icon in the menu on the left side of the screen.

6. Use the search box to find and install the Python **extension**.

The extension lets you turn VS Code into a full-fledged Python code editor with auto-complete, IntelliSense, debugging, and linting options.