**Get Your Tools Installed (Windows)**

You will be installing the required tools and software for the course. There's a lot to get through, so buckle in and get ready!

**Before You Begin**

First, create accounts for the following services, which you'll need throughout the course. Don't just create logins; job recruiters often scour these sites in search of job candidates, so be sure to provide at least a headshot and contact information.

* [LinkedIn](https://www.linkedin.com/)

**Note:** You should create a full profile highlighting your skills and work experience, and include a headshot.

* [GitHub](https://github.com/)
* [Stack Overflow](http://stackoverflow.com/)

In addition, be sure to accept the invite for your section on [Slack](https://slack.com/). You will receive the link to your class-specific channel during orientation. If you don't receive this email, contact your Student Success Manager for assistance.

**Tool and Software Installations**

Follow the instructions below to complete the installation process for all of the required tools.

**Google Chrome**

1. If you don’t already have Chrome installed, visit the download page [here](https://www.google.com/chrome/browser/desktop/index.html).

2. Download, open, and run the installation file.

**Screencastify**

**Note:** You must be using Google Chrome in order to install and use Screencastify.

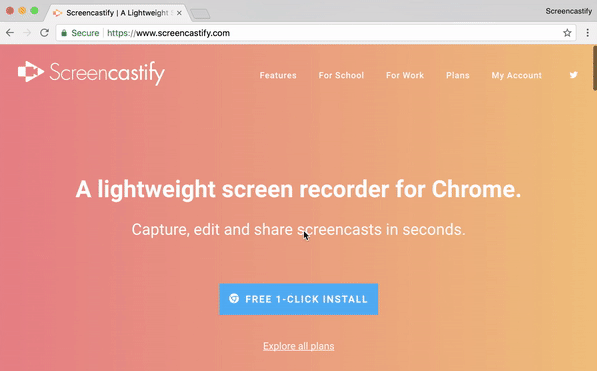
1. Open Google Chrome.

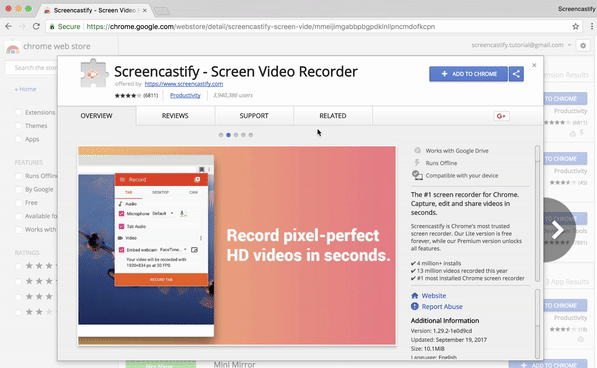
2. Go to the [Chrome Web Store](https://chrome.google.com/webstore/category/extensions) and type **Screencastify** in the **Search Extensions** bar in the top left of the page. **Note:** You can also start by going to the [Screencastify website](https://www.screencastify.com/) and clicking the **Add to Chrome** button, which will take you directly to its listing in the Chrome Web Store.

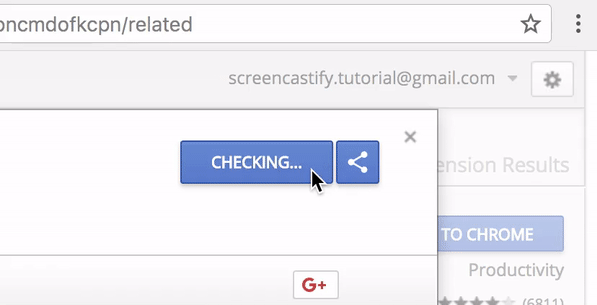
3. Click the **Add to Chrome** button.

4. Click **Add extension**.

5. When the download is complete, click the gray film strip icon in the top-right corner of your browser screen to launch Screencastify.





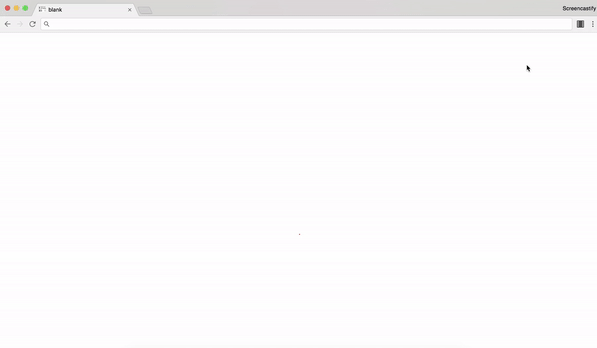


**Allow Webcam and Microphone Access**

The first time you click on the Screencastify icon, you'll be asked to give Screencastify permission to access your webcam and microphone, which enables you to narrate over your recordings as well as record your webcam. You are required to allow access in order for the Screencastify extension to function properly. You do not need to include audio or video in your recordings, and Screencastify never records audio or video unless you expressly ask it to.

1. Click the **Setup Camera Access** button.

2. Click **Allow** in the pop-up window.



**Note:** If Screencastify is unable to detect your microphone, click [here](https://help.screencastify.com/article/206-i-dont-hear-any-audio-from-my-microphone). If it's unable to detect your webcam, click [here](https://help.screencastify.com/article/205-my-webcam-is-not-detected).

**Connect Your Google Drive to Screencastify**

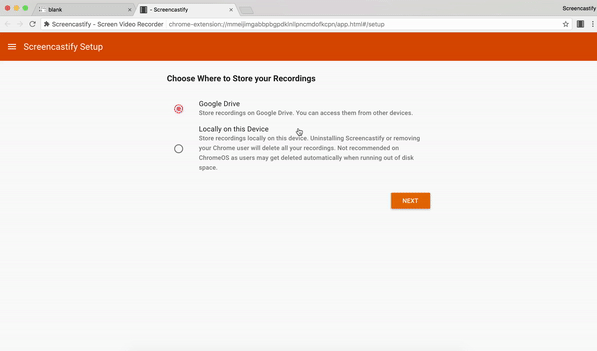
It is recommended that you save all of your Screencastify recordings to Google Drive, which is safer than storing them locally on your computer. By connecting your Google Drive to Screencastify, your recordings will be saved there automatically. The length of this process depends on how long a particular recording is. **Note:** Screencastify never views, modifies, stores, or in any way interacts with the other files in your Google Drive.

The first time you open the Screencastify extension, you'll be asked where you want to store your recordings (right after you allow webcam and microphone access). Follow these steps:

1. Confirm that Google Drive is selected, and then click **Next**.

2. Sign in to your Google account. **Note:** You can sign in with any Google-based account, not just an @gmail.com address.

3. Allow Screencastify permission to access your Google Drive.



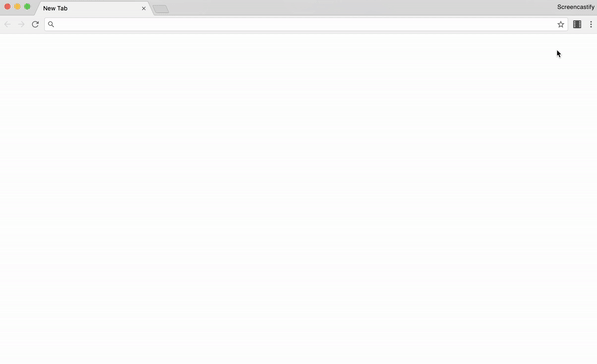
And that's all you need to do! As soon as you finish your first recording, a new folder named Screencastify will be created in your Drive. All of your recordings will be saved in this folder.

The videos you will see in Your Recordings library in Screencastify are synced with this Screencastify folder in your Drive. This means:

* If you delete a video in Screencastify, it will also be deleted from your Drive.
* If you move a video out of the Screencastify folder in your Drive, it will no longer be accessible from Your Recordings in Screencastify.
* If you rename a video in Screencastify, it will also be renamed in your Drive.

You can always change the default storage location for your recordings, even after initial setup. Simply open the extension menu and click **Options**. The first thing you'll see is an option to select where you want to store your recordings.

Want to know how to record, save to your Google Drive and share your recordings? Check it out [here](https://coding-bootcamp-fsf-prework.readthedocs-hosted.com/en/latest/modules/screencastify-record-save-to-your-google-drive-and-share-your-video/)!



**Slack**

1. Go to [Slack for Windows](https://slack.com/downloads). Click **Download**.

2. When the installation is complete, add our channel to your application.

3. Click the header of your current Slack channel.

4. Select **Sign in to another team**.

5. Enter the Slack domain provided to you during orientation.

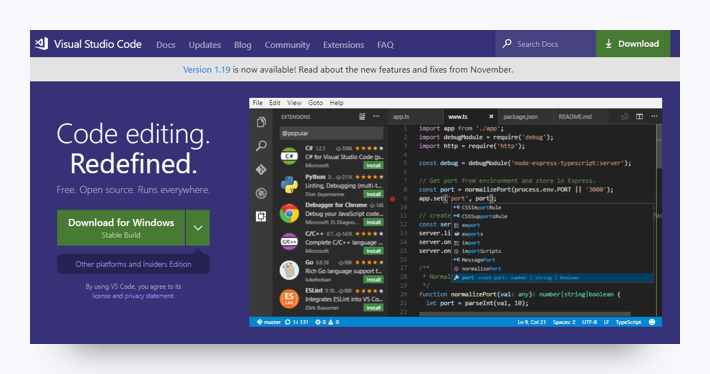
6. Enter your email (the one that the Slack invite was sent to) and password. When you see the chatroom, you're finished.

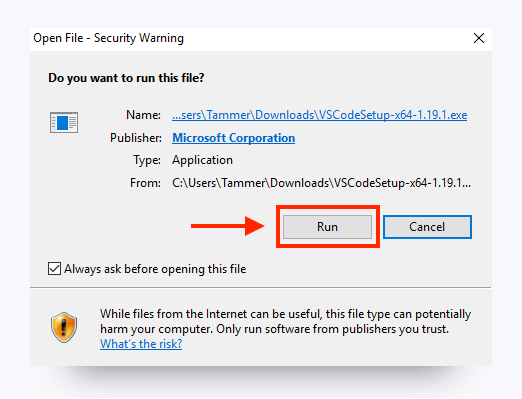
**VS Code**

1. Go to the [setup page](https://code.visualstudio.com/docs/setup/setup-overview) on the VS Code website and select Windows as your platform.

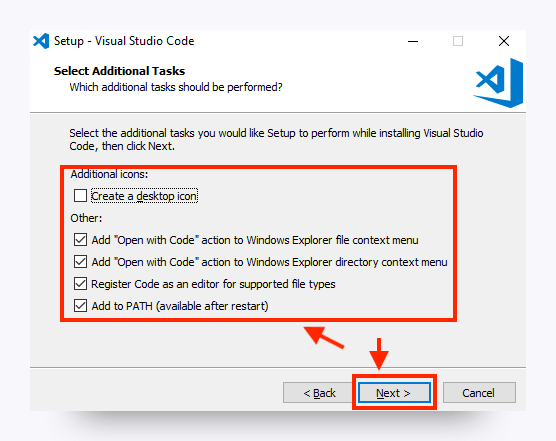
2. Click **Visual Studio Code installer** in Step 1 under the Installation heading.

3. Open and run the installer file.





4. Follow the installer prompts. When you reach the following screen, select the following settings and click **Next**.



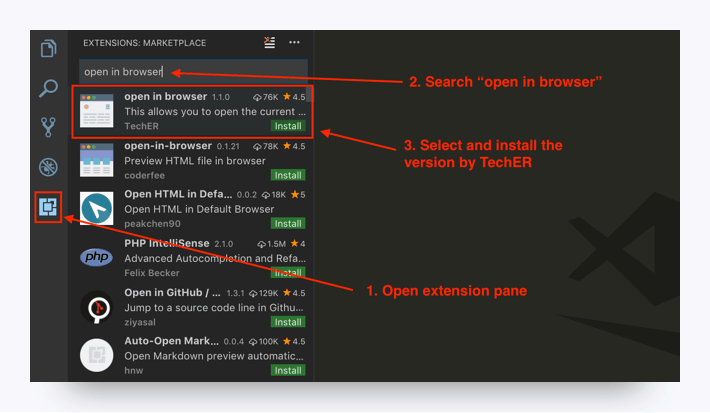
**Note:** When the installation is complete, you should be able to access VS Code from your Start menu.

**Open in Browser (VS Code Extension)**

1. Open VS Code.

2. Open the extensions pane and search for **open in browser**.

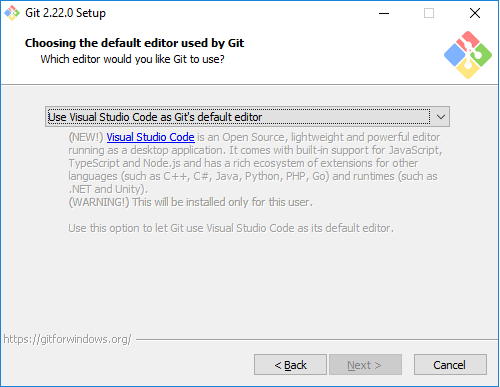
3. Select the version written by TechER and click **Install**.



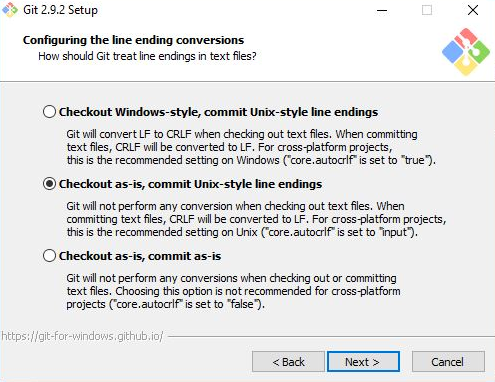
**Git & Git Bash**

**Step 1.** Go to the Git [downloads](https://git-scm.com/downloads) page. Select the download for Windows. It should automatically download the most up to date version, which is totally fine!

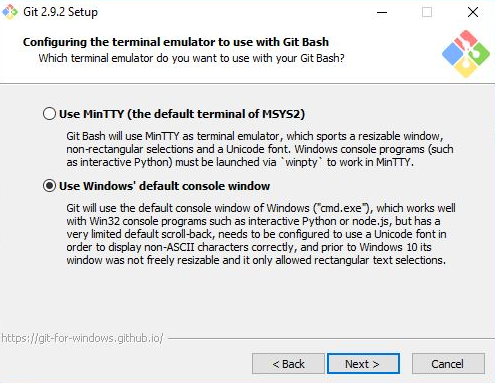
**Step 2.** Use Next to progress through the installation until you get to the screen that asks you to choose a default editor for Git. Select Use Visual Studio Code as Git's default editor.



**Step 3.** When you see a prompt like this, select Checkout as-is, commit Unix-style line endings.



**Step 4.** Finally, select Use Windows' default console window.



Any settings not mentioned here can be left in their default mode.

**Heroku Toolbelt**

1. Sign up for a free [Heroku](https://signup.heroku.com/) account.

2. Download the [installer](https://toolbelt.heroku.com/) and read the installation guide.

3. Open Command Prompt (not Bash).

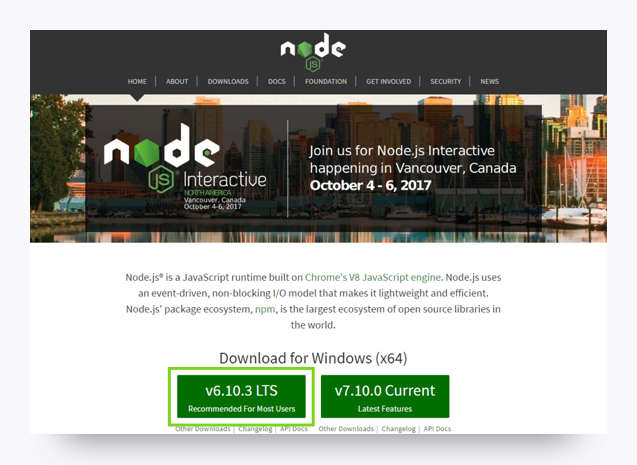
**Note:** Command Prompt, or cmd.exe, comes preloaded on Windows operating systems, but the exact location will vary depending on your version of Windows. You can locate Command Prompt using your OS's search feature.

4. Type heroku login into the command line. When prompted, press **Enter** and type in your Heroku credentials. Close Command Prompt.

**Node.js**

1. Go to the [Node.js website](https://nodejs.org/en).

2. Select the Windows installer and download. Follow the prompts to complete the installation.



**MySQL Workbench**

1. Go to the [MySQL Workbench](https://dev.mysql.com/downloads/workbench) website.

2. Scroll down and select the 64-bit Windows version of the software.

3. Click to download it and run through the installer.

**SSH Keys**

To complete these steps, you will need to sign up for a [GitHub](https://github.com/) account if you haven't already.

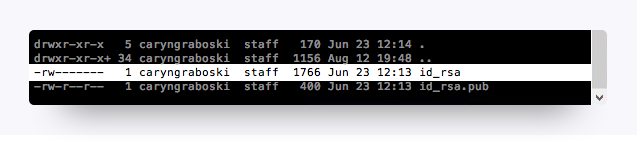
**Step 1.** Open Bash.

**Step 2.** To make sure you don’t already have a set of keys on your computer, type the following in your Bash window.

* **Note:** Copying and pasting will not work!

​ ls –al ~/.ssh

* If no keys pop up, move on to **Step 3**.
* If keys do pop up, check that none of them are listed under id\_rsa, like in this image:



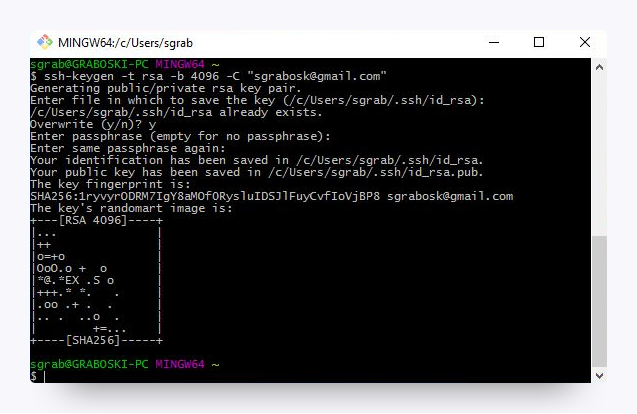
* If you find a key with a matching name, you can either overwrite it by following the next steps, or you can use the same key referenced in **Step 8**.
* If you decide not to overwrite it, you will need to remember the password tied to your key.

**Step 3.** Enter the following command along with your email to generate your keys.

ssh-keygen –t rsa –b 4096 –C "YOURGITHUBEMAIL@PLACEHOLDER.NET"

**Step 4.** When prompted to enter a file to save the key, press **Enter**, and then enter a passphrase for your key.

* **Note:** You shouldn’t see any characters appear in the window while typing the password. When you’re finished, your window should look like this:



**Step 5.** Link your key to your machine using a tool called the ssh-agent. Run the following command in Bash to test whether the ssh-agent is running on your machine: eval "$(ssh-agent –s)". Your Bash window should look like the following:



**Step 6.** Run the following command: ssh-add ~/.ssh/id\_rsa

**Step 7.** When prompted, enter the passphrase associated with the key.

* **Note:** If you’ve forgotten this key, go back to **Step 3**.

**Step 8.** To add the key to GitHub, copy the key to your clipboard by entering the following command:

clip < ~/.ssh/id\_rsa.pub

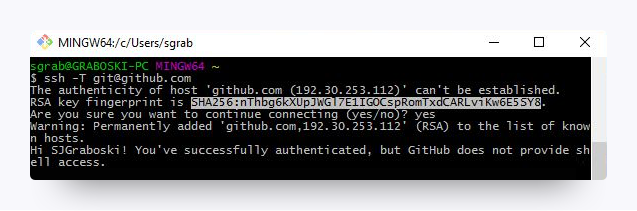
* You shouldn’t see any kind of message when you run this command. If you do, make sure you entered it correctly.
* **Note:** Do not copy anything else to your clipboard until all steps are completed. Otherwise, you’ll need to enter the copy command again.

**Step 9.** Go to GitHub's [SSH key settings](https://github.com/settings/ssh). Click **New SSH key**.

**Step 10.** When the form pops up, enter a name for your computer in the Title input. In the Key input, paste the SSH key you copied in Step 8.

**Step 11.** To add GitHub to your computer’s list of acceptable SSH hosts, type the following command in your Bash window: ssh –T git@github.com.

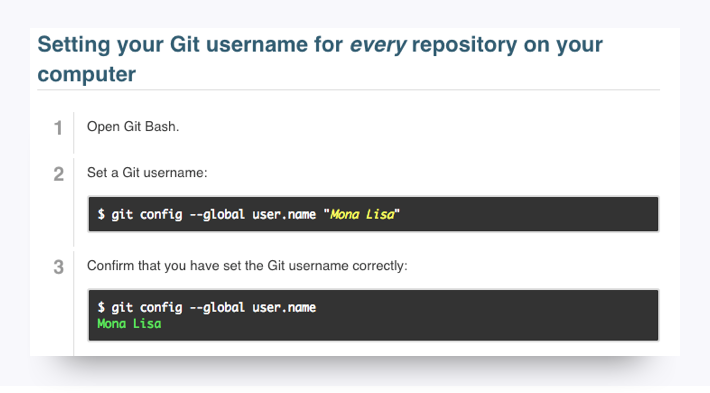
* You should see an RSA fingerprint in your window. Enter **yes** only if it matches the one highlighted in the image below:



**Setting Your Git Username for *Every* Repository on Your Computer**

Git uses a username to associate commits with an identity. The Git username is not the same as your GitHub username.

You can change the name that is associated with your Git commits using the git config command. The new name you set will be visible in any future commits you push to GitHub from the command line. If you'd like to keep your real name private, you can use any text as your Git username. Changing the name associated with your Git commits using git config will only affect future commits and will not change the name used for past commits.

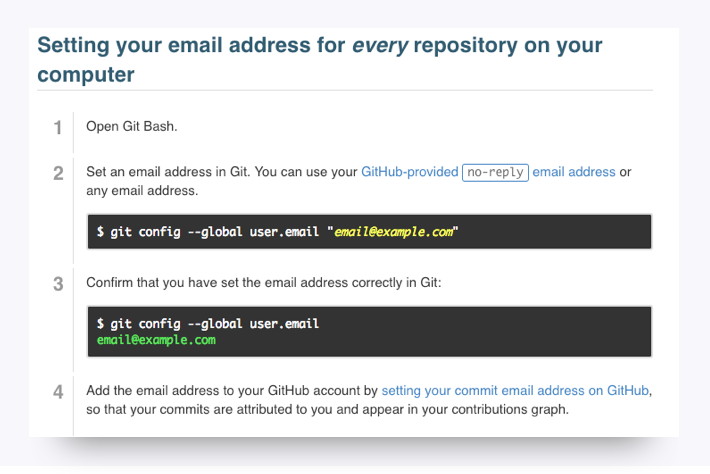


**Setting Your Email Address for *Every* Repository on Your Computer**

GitHub uses the email address set in your local Git configuration to associate commits pushed from the command line with your GitHub account.

You can use the git config command to change the email address you associate with your Git commits. The new email address you set will be visible in any future commits you push to GitHub from the command line. Any commits you made prior to changing your commit email address are still associated with your previous email address.

For more information on commit email addresses, including your GitHub-provided noreply email address, see "[About commit email addresses](https://help.github.com/articles/about-commit-email-addresses/)."



**You're Done!**

That's all for the installations, so give yourself a pat on the back! Installations are never fun, but just like taxes, you gotta do them.

Be sure to take a break before continuing with the rest of the prework.