



RUBY ON RAILS

How to Setup a Ruby on Rails Environment
Windows 10 x64 version

Holly Robertson
Callow16@email.franklin.edu



Setup Ruby on Rails Environment (Windows 10 x64)

Hardware Requirements:

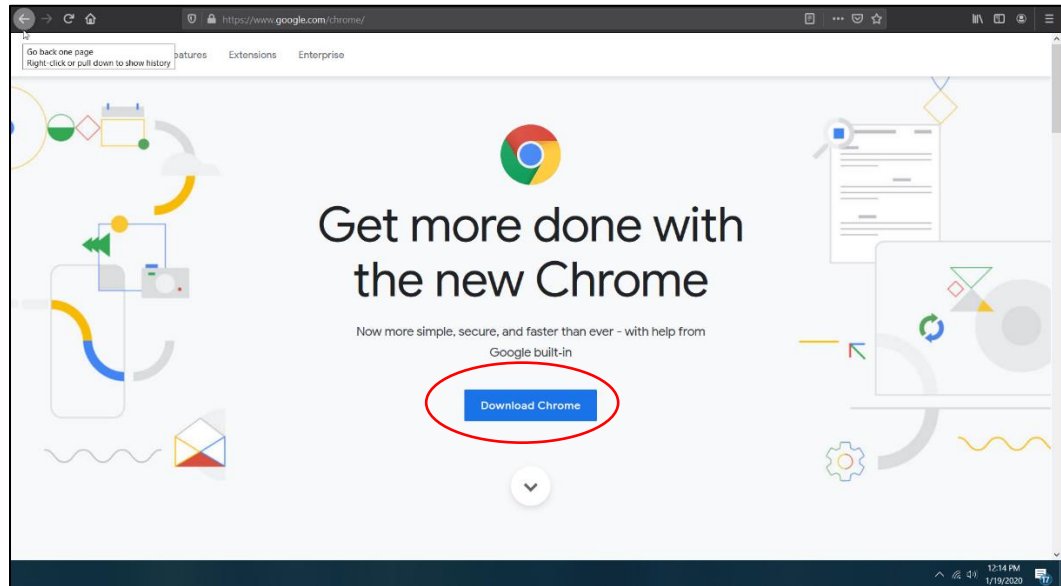
- A. 8 GB of total system RAM
- B. SSD drive with at least 5 GB of free space
- C. Monitor Resolution minimum - 1024x768
- D. Latest 64-bit version of Window

Software Requirements:

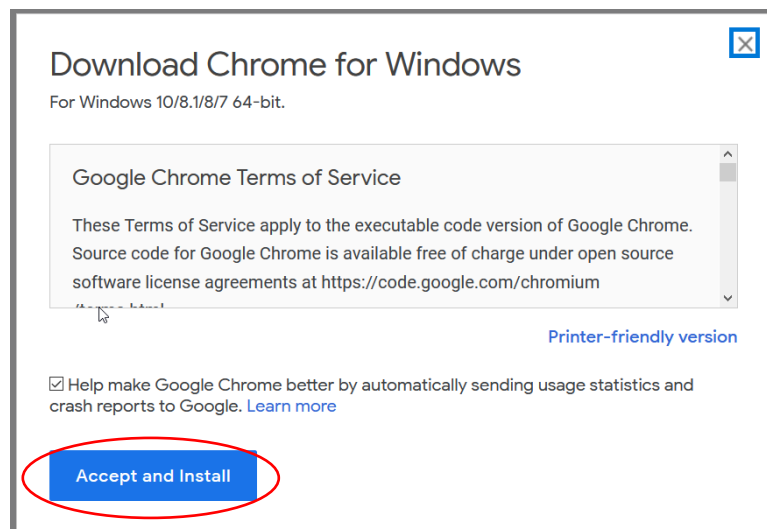
- A. [Chrome Browser](#)
- B. [Node.js](#)
- C. [Yarn](#)
- D. [Ruby, Rails, Git, Sqlite, SQL Server Support](#)
- E. [RubyMine](#)
 - 1. RubyMine has two “free” options:
 - i. 30-day Free Trial
 - ii. Student Edition
 - 2. This document goes over the Student Edition Software Package

A. Browser (Chrome):

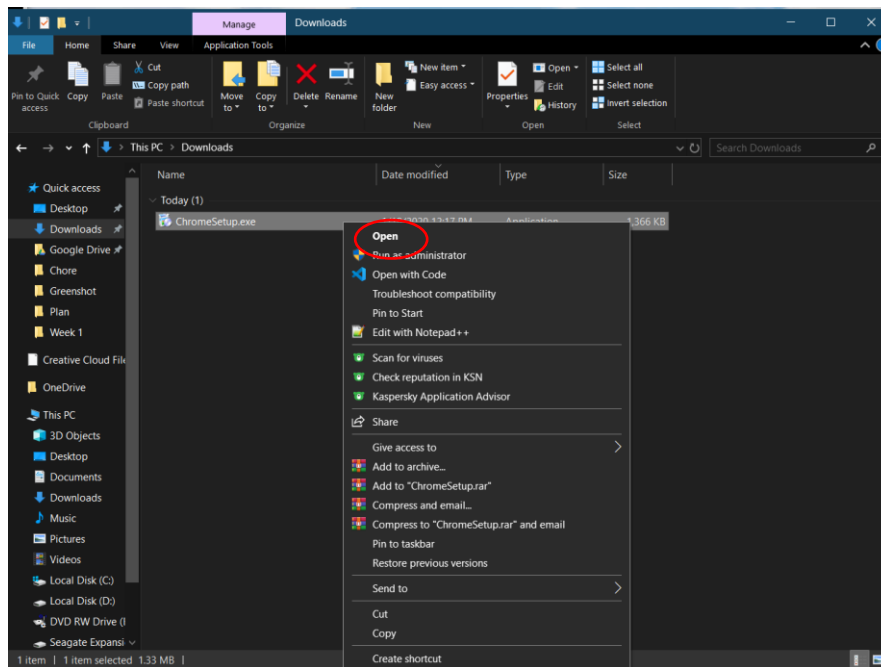
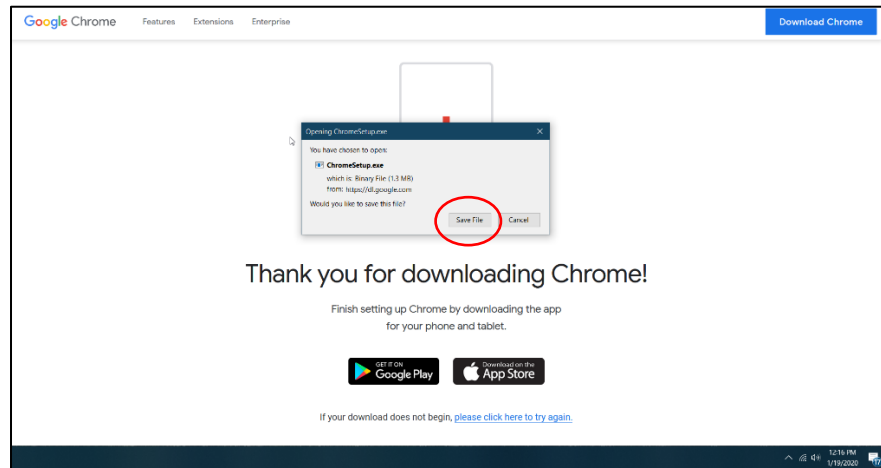
1. Go to <https://www.google.com/chrome/> via your browser
2. Click on **Download Chrome**



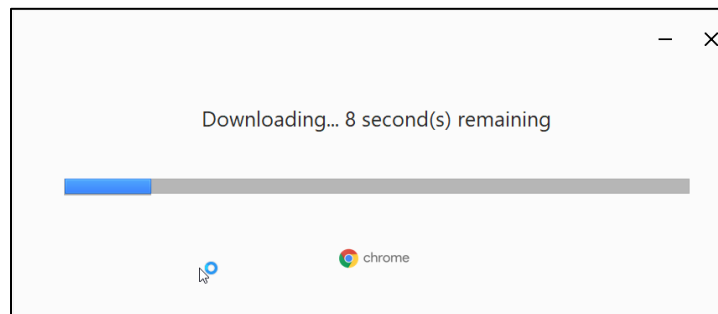
3. Click **Accept and Install**

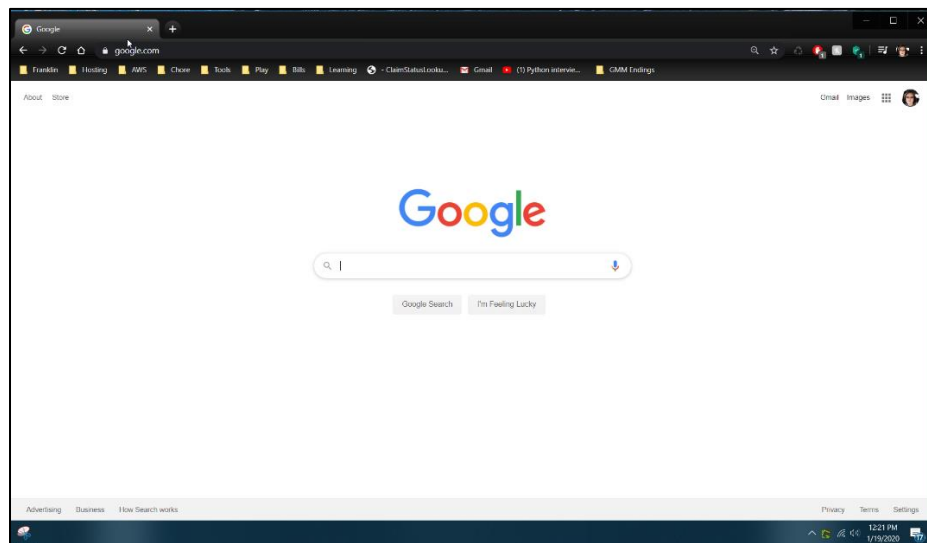
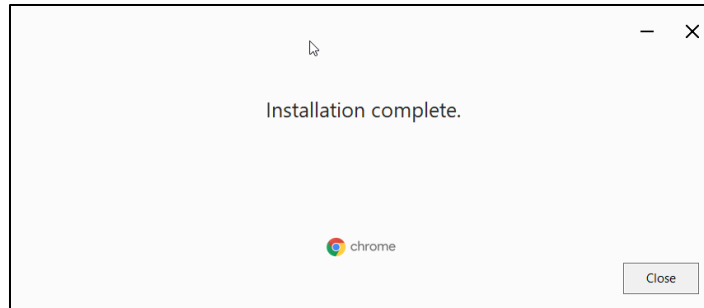


4. Save File and Open Chrome



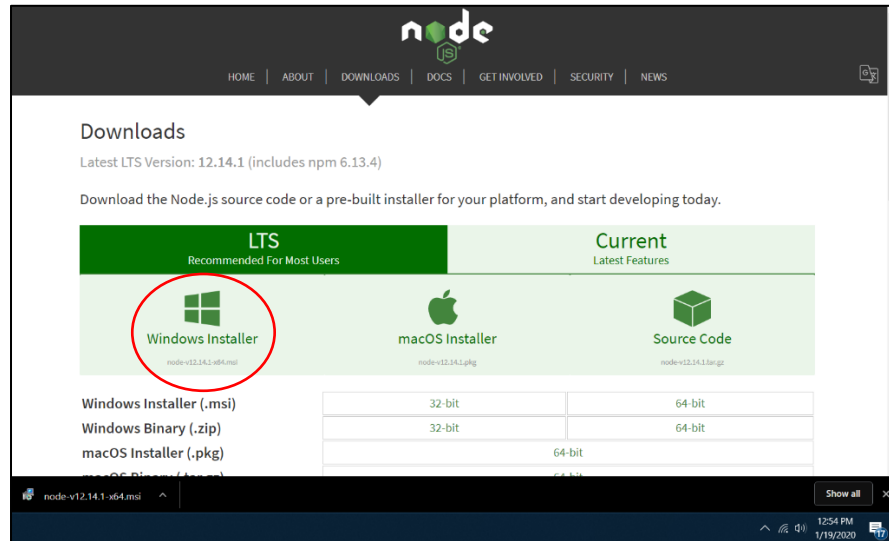
5. Chrome will start download and will open Automatically



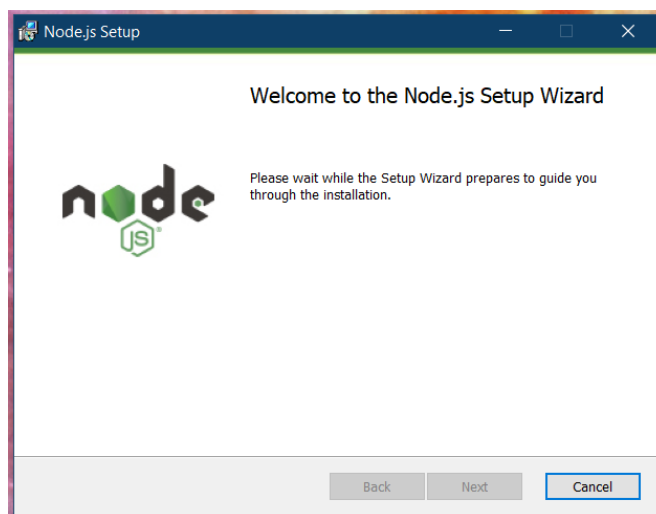
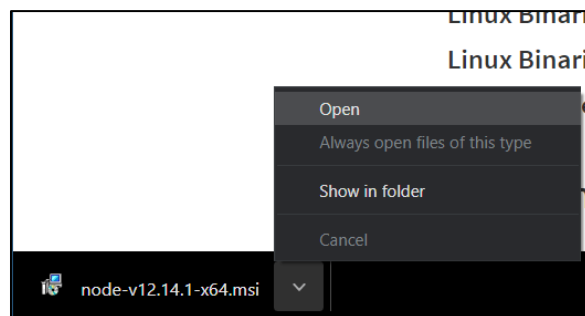


B. Node.js

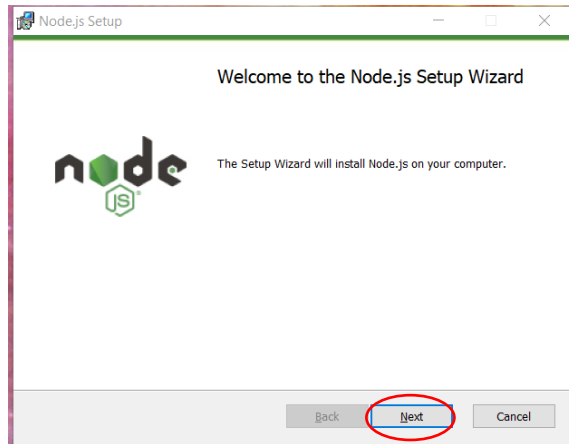
1. Go to <https://nodejs.org/en/download/> via Chrome browser (from **Step 1**)
2. Click on **Windows Installer** under **LTS** (Recommended For Most Users)



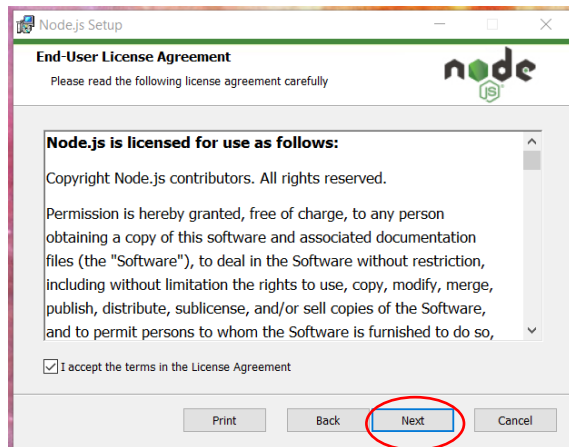
3. Open the downloaded file – **node-v###.#.#-x###.msi**:



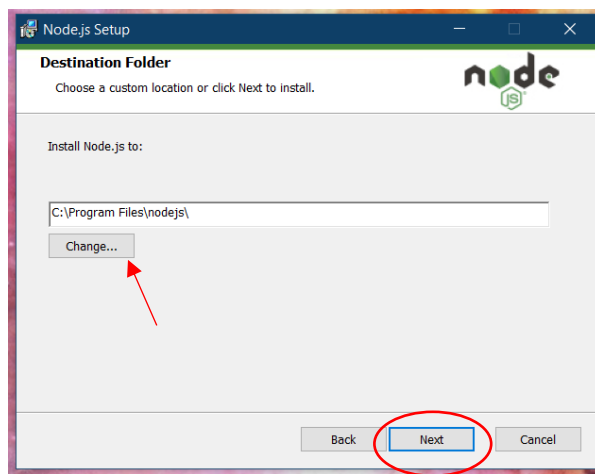
4. Click **Next**



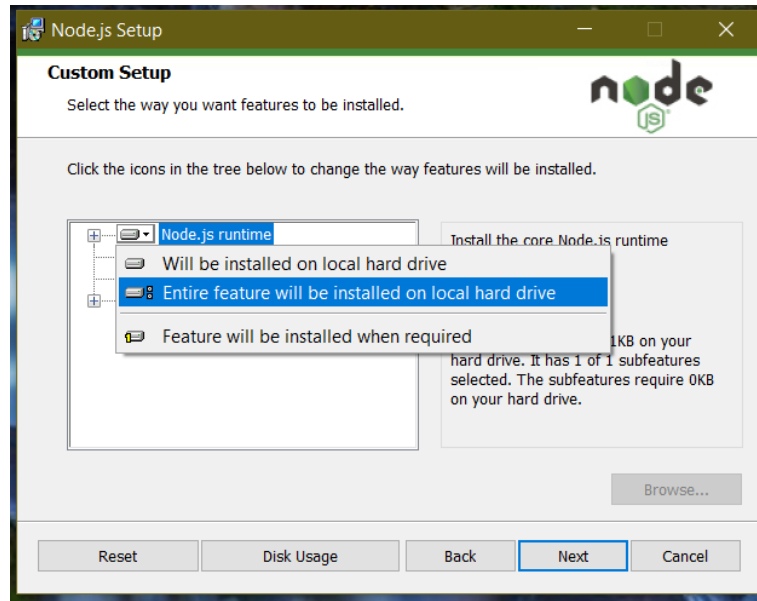
5. Select **I accept the terms in the License Agreement** and click **Next**



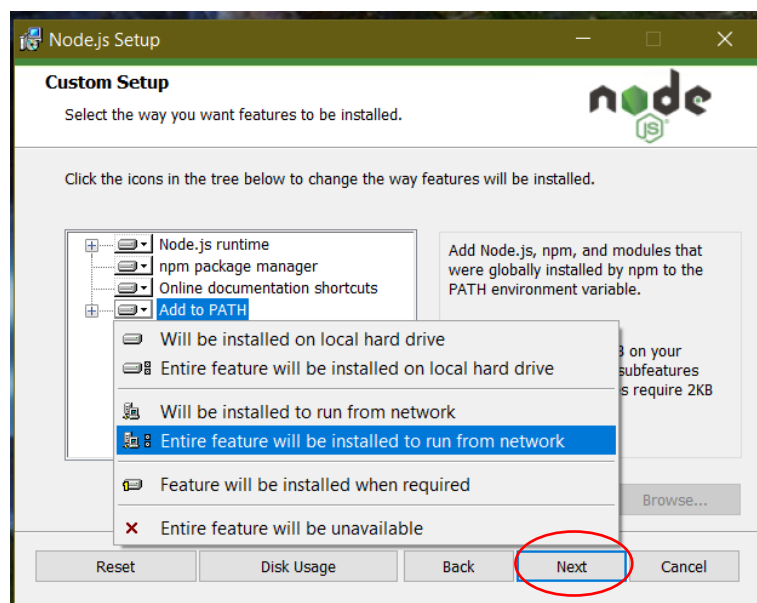
6. Choose **Destination Folder** and click **Next**:



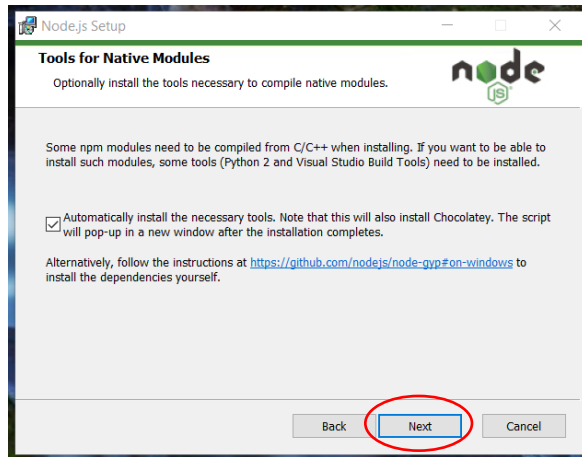
7. There will be multiple **features to be installed** listed
8. Choose if you want to install the entire feature or this specific feature on the local drive
OR if you want to only install the feature when required
9. Click the Triangle beside each **feature to be installed**
10. Select your preference



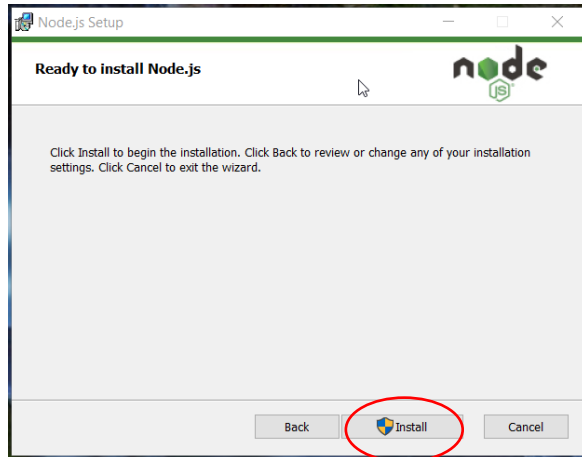
11. On the last **feature to be installed (Add to PATH)**, select **Entire feature will be installed on local hard drive** and **Entire feature will be installed to run from network** and click **Next**:



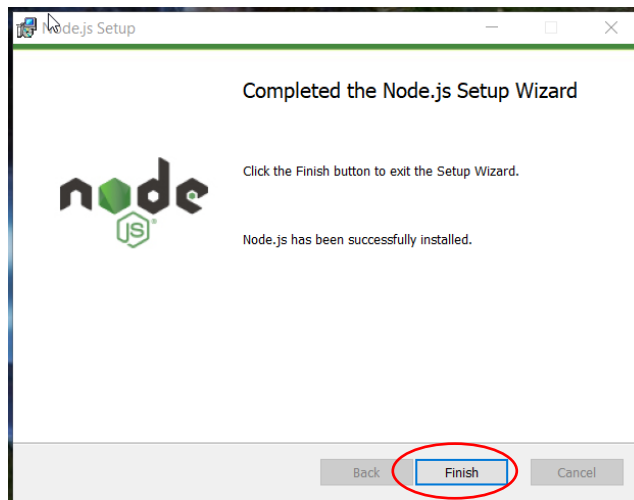
12. Select **Automatically install the necessary tools** and click **Next**:



13. Click **Install**:



14. Click **Finish**:



15. A command prompt will open

16. Press any key to continue:



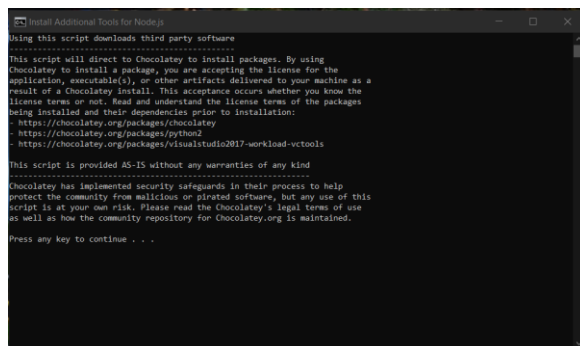
```
Install Additional Tools for Node.js
-----
Tools for Node.js Native Modules Installation Script
-----
This script will install Python and the Visual Studio Build Tools, necessary
to compile Node.js native modules. Note that Chocolatey and required Windows
updates will also be installed.

This will require about 3 Gb of free disk space, plus any space necessary to
install Windows updates. This will take a while to run.

Please close all open programs for the duration of the installation. If the
installation fails, please ensure Windows is fully updated, reboot your
computer and try to run this again. This script can be found in the
Start menu under Node.js.

You can close this window to stop now. Detailed instructions to install these
tools manually are available at https://github.com/nodejs/node-gyp/wiki/windows
Press any key to continue . . .
```

17. Press any key to continue:



```
Install Additional Tools for Node.js
-----
Using this script downloads third party software
-----
This script will direct to Chocolatey to install packages. By using
Chocolatey to install a package, you are accepting the license for the
application, executable(s), or other artifacts delivered to your machine as a
result of a Chocolatey install. This acceptance occurs whether you know the
license terms or not. Read and understand the license terms of the packages
being installed and their dependencies prior to installation:
- https://chocolatey.org/packages/chocolatey
- https://chocolatey.org/packages/python2
- https://chocolatey.org/packages/visualstudio2017-workload-vctools

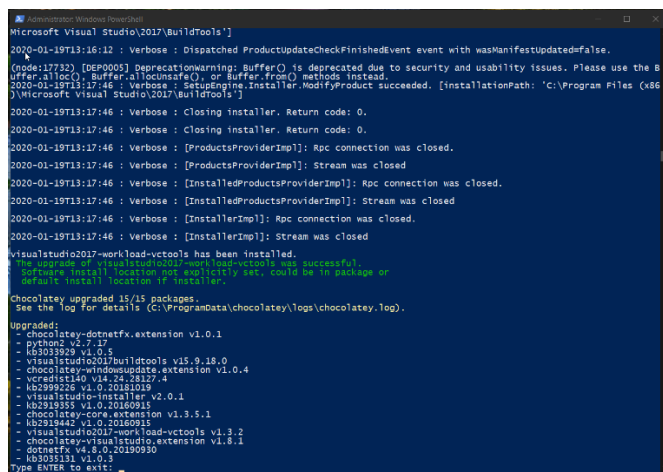
This script is provided AS-IS without any warranties of any kind
-----
Chocolatey has implemented security safeguards in their process to help
protect the community from malicious or pirated software, but any use of this
script is at your own risk. Please read the Chocolatey's legal terms of use
as well as how the community repository for Chocolatey.org is maintained.

Press any key to continue . . .
```

18. A PowerShell window should open

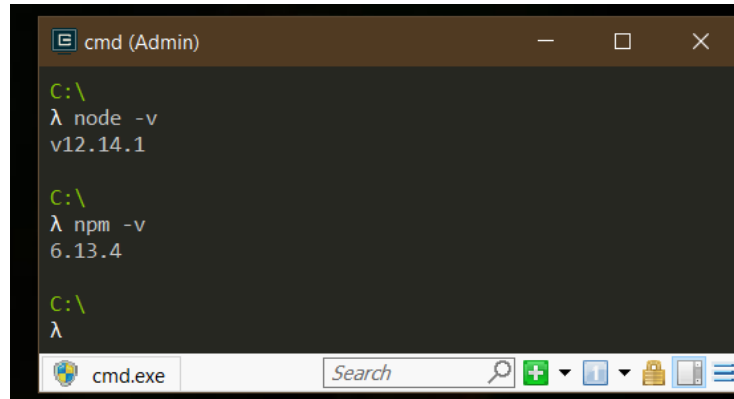
19. It will proceed to download the necessary dependencies

20. Type **ENTER** to exit:



```
Administrator: Windows PowerShell
Microsoft Visual Studio\2017\BuildTools\
2020-01-19T13:16:12 : Verbose : Dispatched ProductUpdateCheckFinishedEvent event with wasManifestUpdated=False.
(node:17732) [DEP0005] DeprecationWarning: Buffer() is deprecated due to security and usability issues. Please use the Buffer
  Buffer.alloc(), Buffer.allocUnsafe(), or Buffer.from() methods instead.
2020-01-19T13:17:46 : Verbose : SetupEngine.Installer.ModifyProduct succeeded. [InstallationPath: 'C:\Program Files (x86
)\Microsoft Visual Studio\2017\BuildTools']
2020-01-19T13:17:46 : Verbose : Closing installer. Return code: 0.
2020-01-19T13:17:46 : Verbose : Closing installer. Return code: 0.
2020-01-19T13:17:46 : Verbose : [ProductsProviderImp]: Rpc connection was closed.
2020-01-19T13:17:46 : Verbose : [ProductsProviderImp]: Stream was closed
2020-01-19T13:17:46 : Verbose : [InstalledProductsProviderImp]: Rpc connection was closed.
2020-01-19T13:17:46 : Verbose : [InstalledProductsProviderImp]: Stream was closed
2020-01-19T13:17:46 : Verbose : [InstallerImp]: Rpc connection was closed.
2020-01-19T13:17:46 : Verbose : [InstallerImp]: Stream was closed
VisualStudio2017-workload-vctools has been installed.
? The upgrade of 'visualstudio2017-workload-vctools' was successful.
? Software install location not explicitly set, could be in package or
  default install location if installer.
Chocolatey upgraded 15/15 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
Upgraded:
- chocolatey-dotnetfx.extension v1.0.1
- python2 v2.7.12
- kb303829 v1.0.5
- visualstudio2017-buildtools v15.9.18.0
- chocolatey-windowsupdate.extension v1.0.4
- vc_redist140 v14.24.26127.4
- kb999926 v1.0.20181019
- visualstudio-installer v2.0.1
- kb313553 v1.0.20180915
- chocolatey-core.extension v1.3.5.1
- kb313442 v1.0.20180915
- visualstudio2017-workload-vctools v1.3.2
- chocolatey-visualstudio.extension v1.8.1
- dotnetfx v4.8.0.20190930
- kb303131 v1.0.3
Type ENTER to exit: =
```

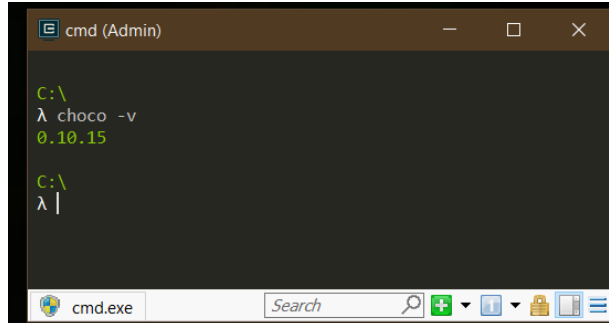
21. Open a command prompt window and type in **node -v** and **npm -v** to verify Node.js downloaded successfully:



```
C:\>
C:\> node -v
v12.14.1
C:\>
C:\> npm -v
6.13.4
C:\>
C:\>
```

C. Yarn

1. Open a command prompt window (***As an ADMIN***) and type in **choco --version** to verify that choco downloaded from the previous step (**Node.js** installation)

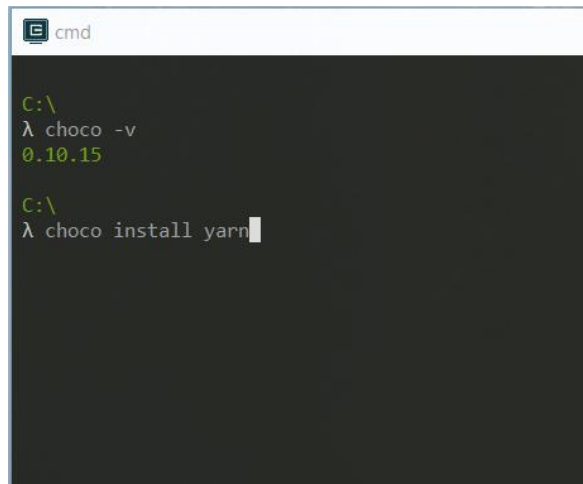


```
cmd (Admin)

C:\
λ choco -v
0.10.15

C:\
λ |
```

2. Type **choco install yarn** and hit **Enter**:

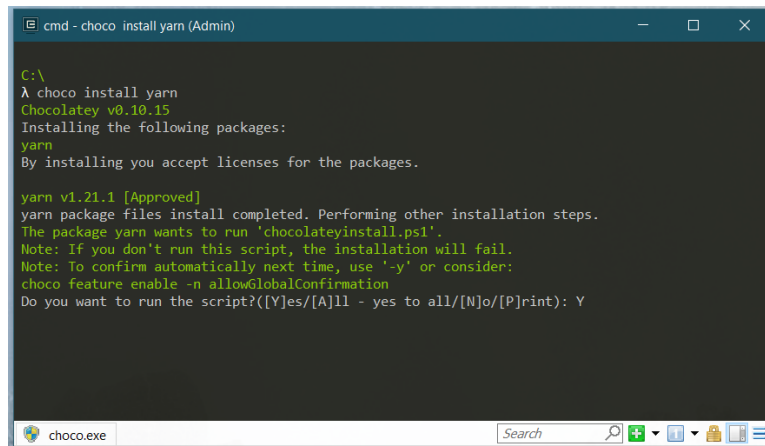


```
cmd

C:\
λ choco -v
0.10.15

C:\
λ choco install yarn
```

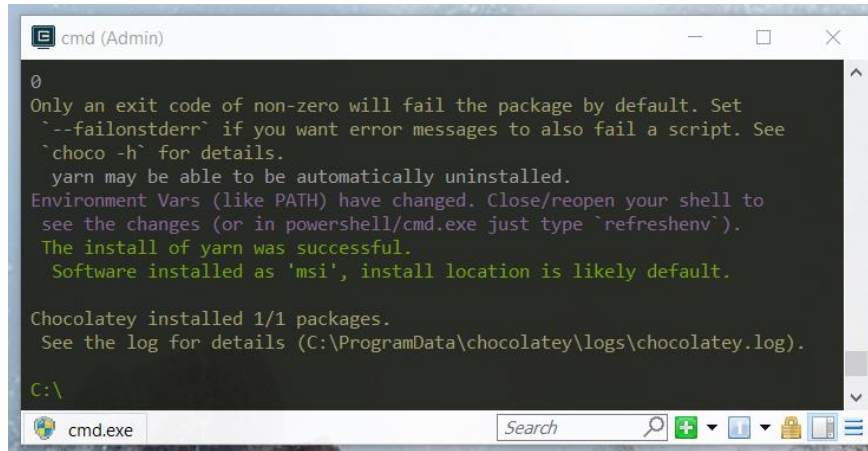

3. Type **Y** and click **Enter**:



```
cmd - choco install yarn (Admin)

C:\
λ choco install yarn
Chocolatey v0.10.15
Installing the following packages:
yarn
By installing you accept licenses for the packages.

yarn v1.21.1 [Approved]
yarn package files install completed. Performing other installation steps.
The package yarn wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): Y
```

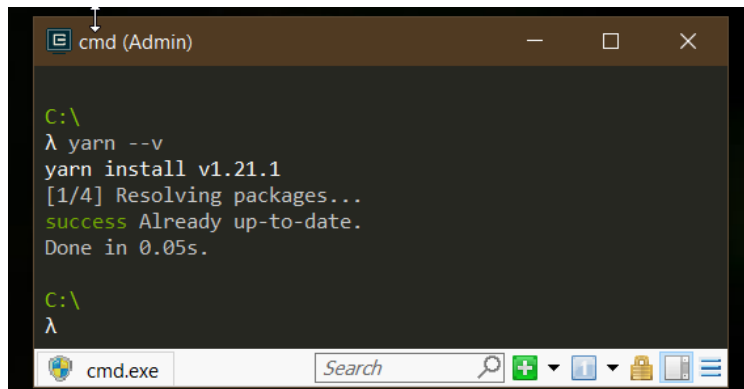


```
0
Only an exit code of non-zero will fail the package by default. Set
`--failonstderr` if you want error messages to also fail a script. See
`choco -h` for details.
yarn may be able to be automatically uninstalled.
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type `refreshenv`).
The install of yarn was successful.
Software installed as `msi`, install location is likely default.

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

C:\
```

4. Close that command prompt window
5. Open a new command prompt window and type in **yarn --v** and hit **Enter**:

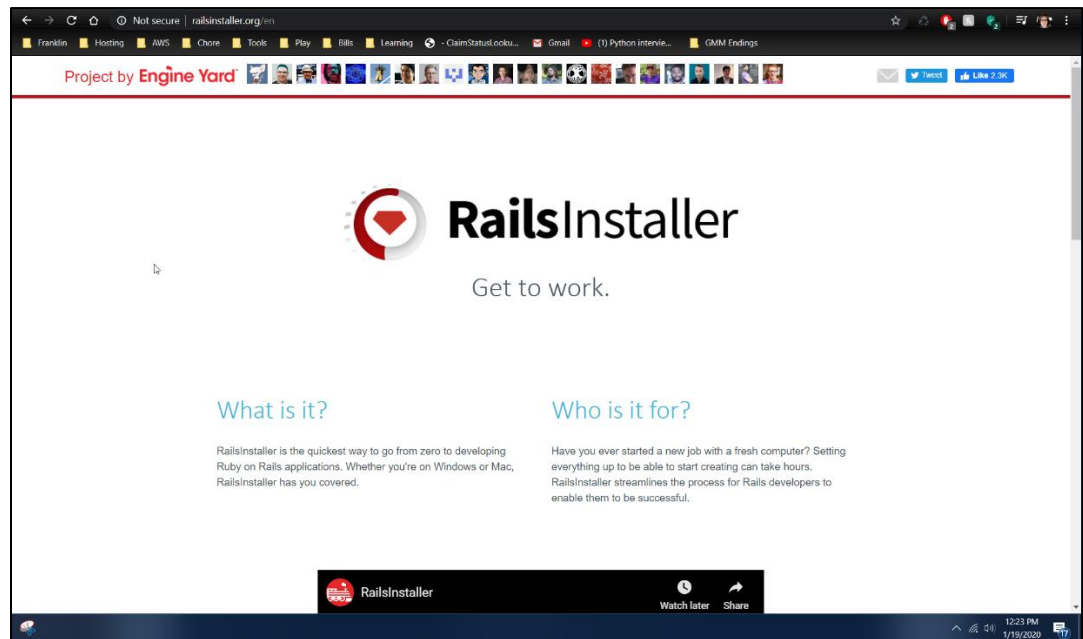


```
C:\
λ yarn --v
yarn install v1.21.1
[1/4] Resolving packages...
success Already up-to-date.
Done in 0.05s.

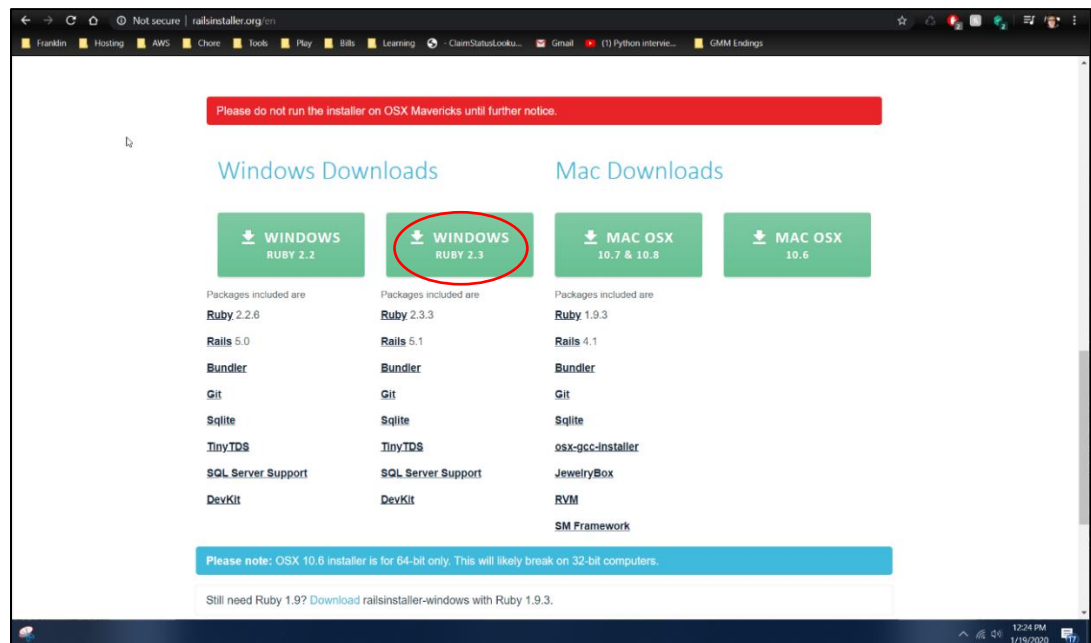
C:\
λ
```

D. Ruby on Rails

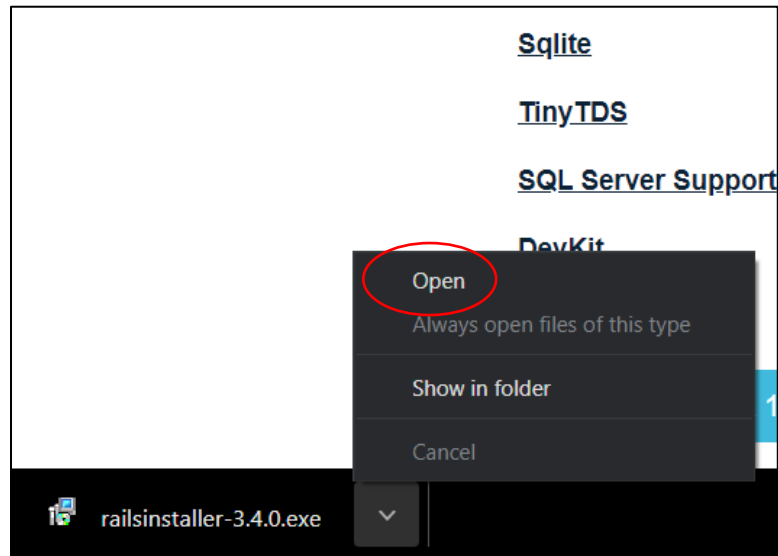
1. Go to <http://railsinstaller.org/en> via Chrome browser (from **Step 1**)



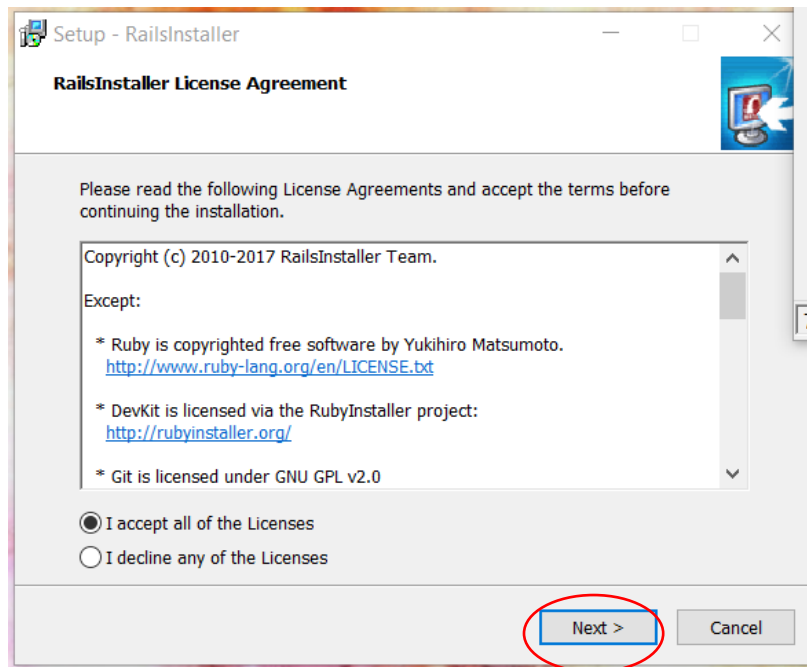
2. Scroll down to **Windows Downloads** and click on Latest Ruby Version (as of 1/2020 it was Ruby 2.3)



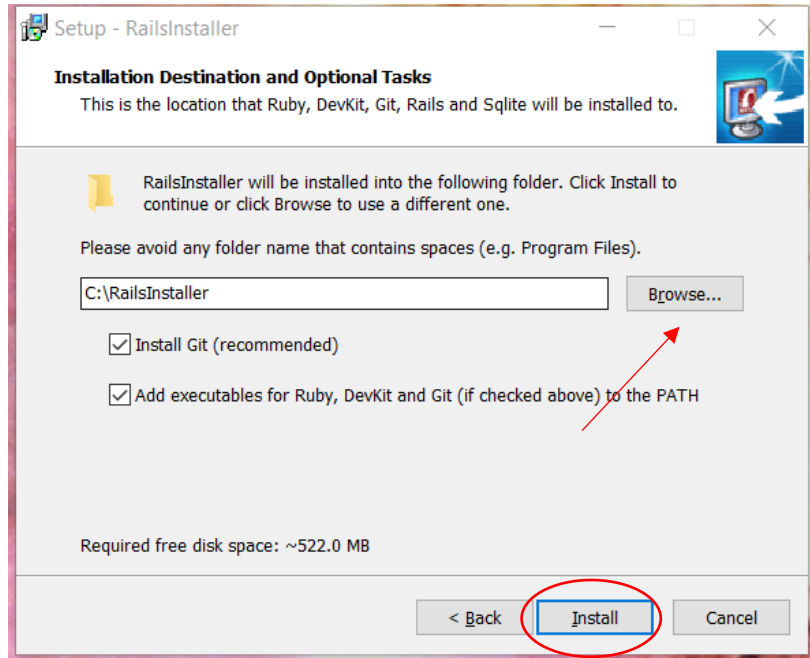
3. Open the downloaded file – **railsinstaller-#.#.#.exe**:



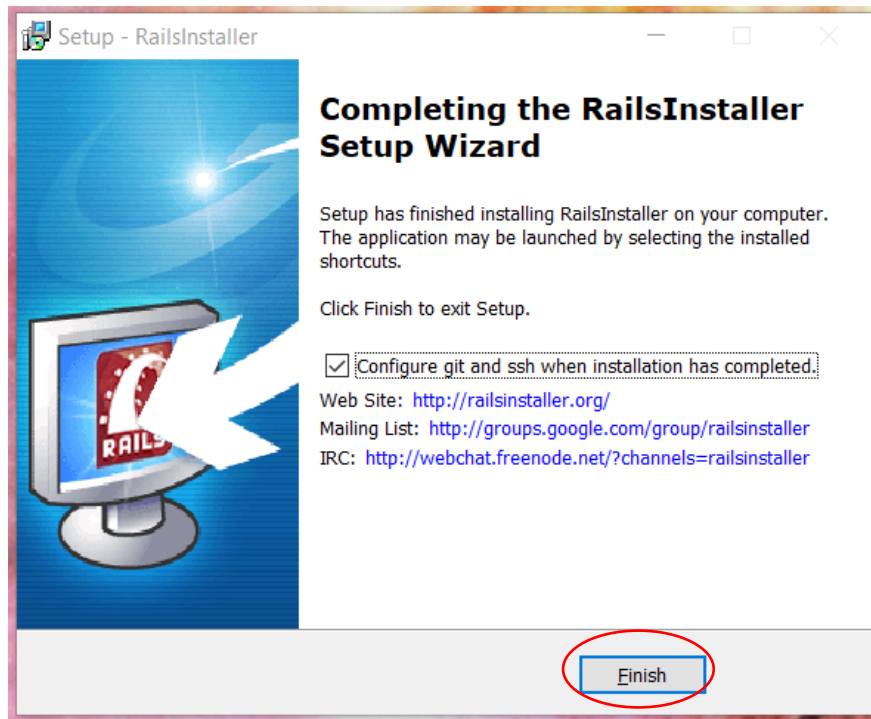
4. Select **I accept all of the Licenses** and click **Next**:



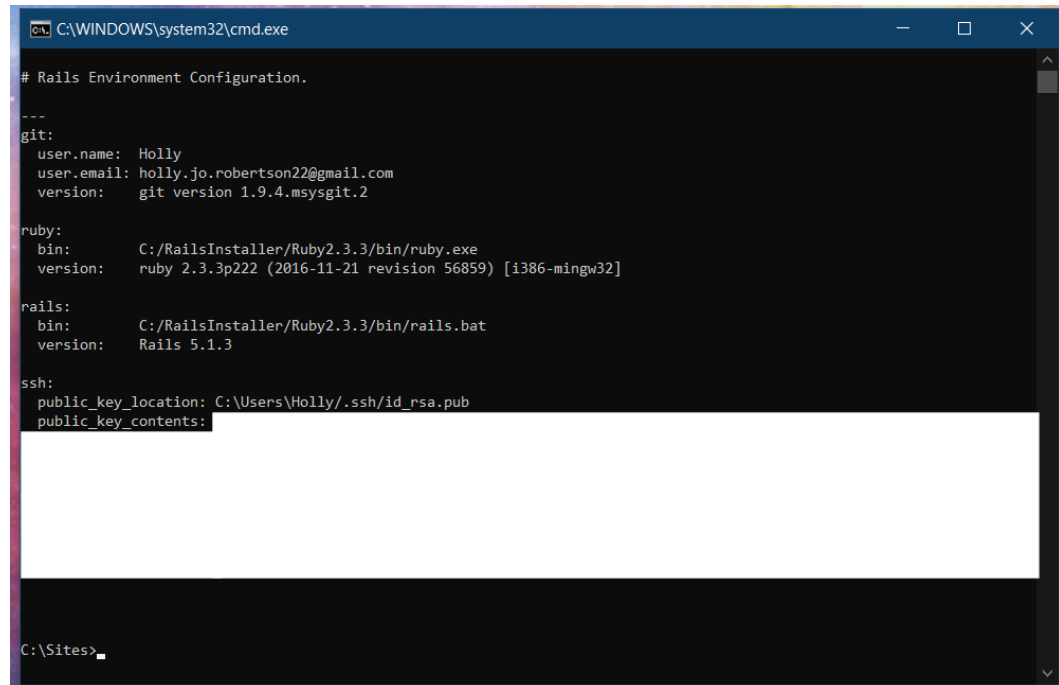
5. Choose **Destination Folder** and select **Install Git** and **Add executables for Ruby, DevKit and Git to the PATH** and click **Install**:



6. Select **Configure git and ssh when installation has completed** and click **Finish**:



7. A command prompt window should open showing what has been installed:



```
C:\WINDOWS\system32\cmd.exe

# Rails Environment Configuration.
---
git:
  user.name: Holly
  user.email: holly.jo.robertson22@gmail.com
  version: git version 1.9.4.msysgit.2

ruby:
  bin: C:/RailsInstaller/Ruby2.3.3/bin/ruby.exe
  version: ruby 2.3.3p222 (2016-11-21 revision 56859) [i386-mingw32]

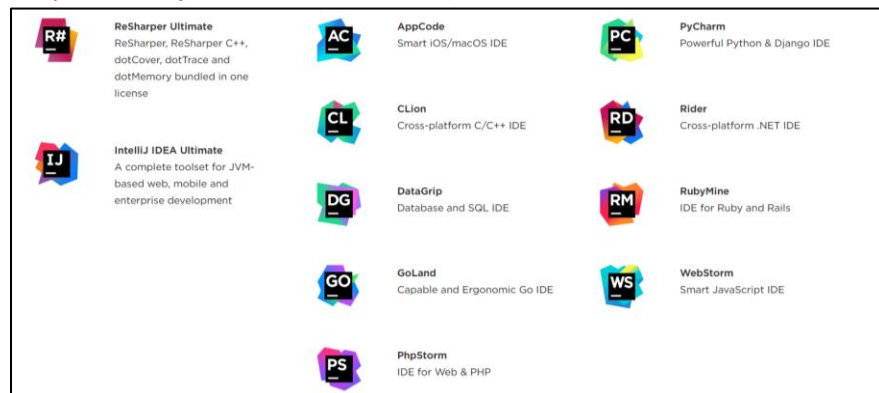
rails:
  bin: C:/RailsInstaller/Ruby2.3.3/bin/rails.bat
  version: Rails 5.1.3

ssh:
  public_key_location: C:\Users\Holly\.ssh\id_rsa.pub
  public_key_contents:

C:\Sites>
```

E. Installing and Configuring RubyMine IDE (<https://www.jetbrains.com/ruby/>)

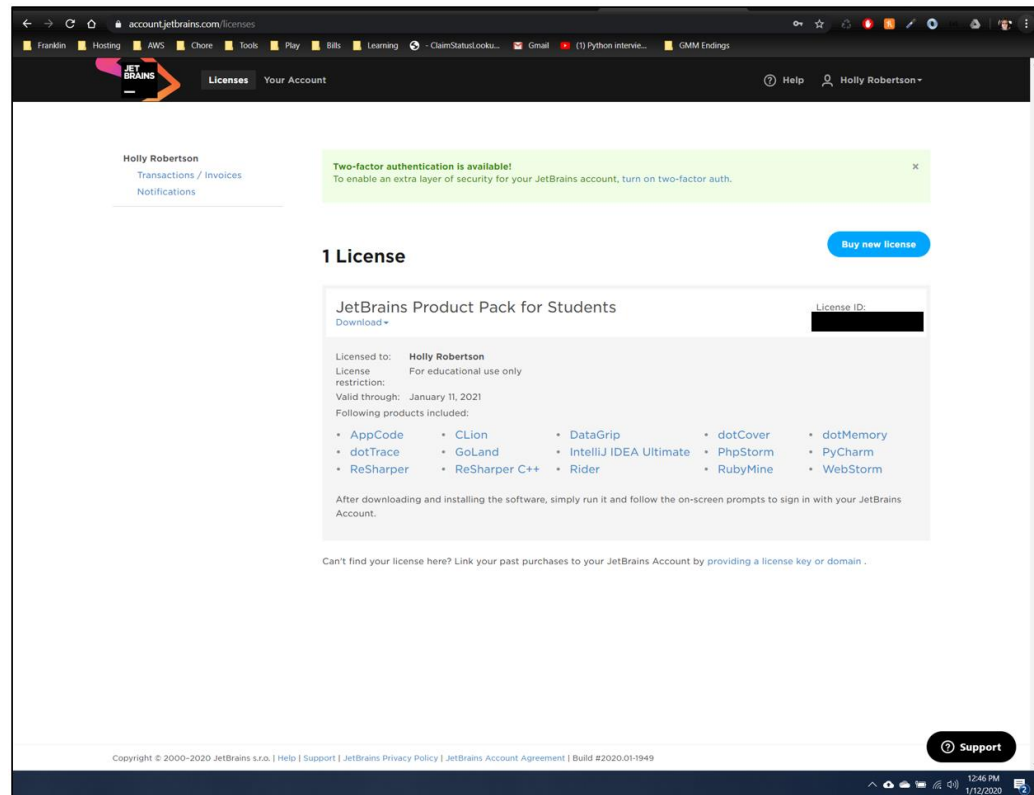
1. The RubyMine IDE is a closed-source download from JetBrains. JetBrains has a Student Edition Software Package:
 - i. This Student Edition subscription expires 1-year from activation
 - ii. You can request to renew your subscription 30-days prior to the end of the 1-year term
 - iii. You may cancel this Student Edition subscription at any time via your JetBrains Account
 - iv. You will be able to install and use any version of JetBrains Toolbox (<https://www.jetbrains.com/student/>)



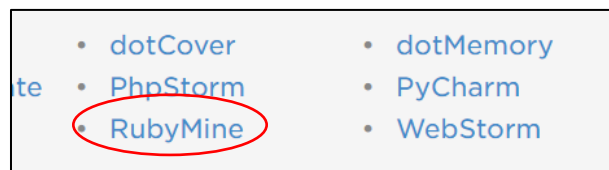
2. Setup your account by going to: <https://www.jetbrains.com/shop/eform/students>
3. Fill out application and submit
4. Confirm Request via university email
5. Register JetBrains account by going to <https://account.jetbrains.com/login>

A screenshot of the JetBrains account management page. It features two main sections: 'Sign in with existing account' and 'Not registered yet?'. The 'Sign in' section has input fields for 'Email address or Username' and 'Password', a 'Sign In' button, and a 'Forgot password?' link. The 'Not registered yet?' section has a 'Create JetBrains Account' heading, an input field for an email address (showing 'callow16@email.franklin.edu'), and a 'Sign Up' button.

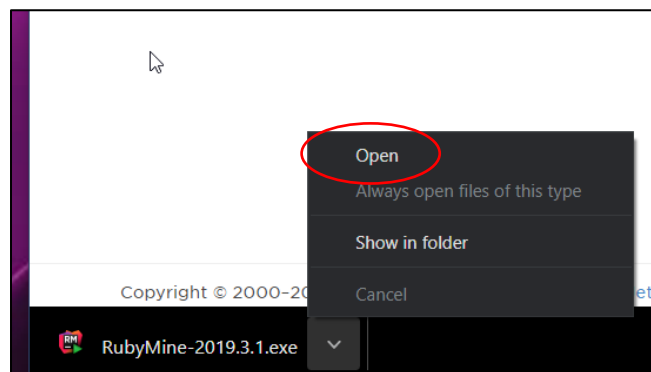
6. After registering and signing-in, go to **Licenses**



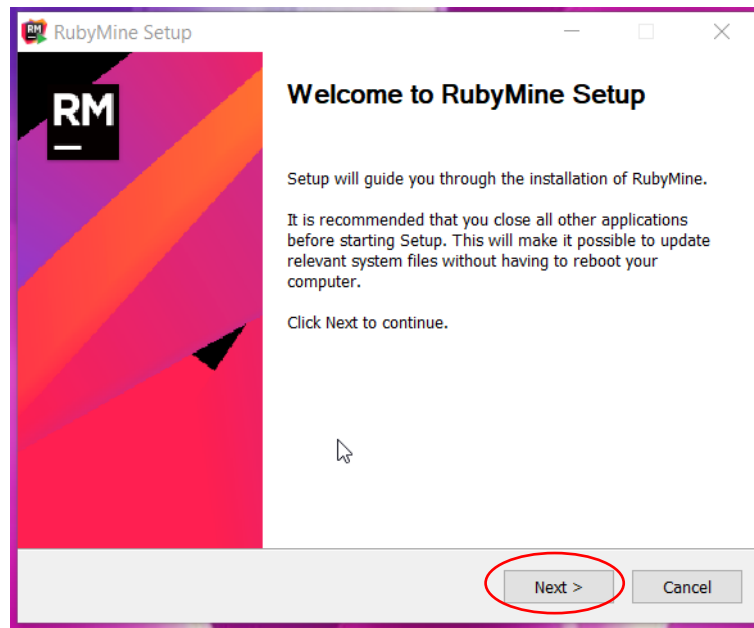
7. Click on **RubyMine**



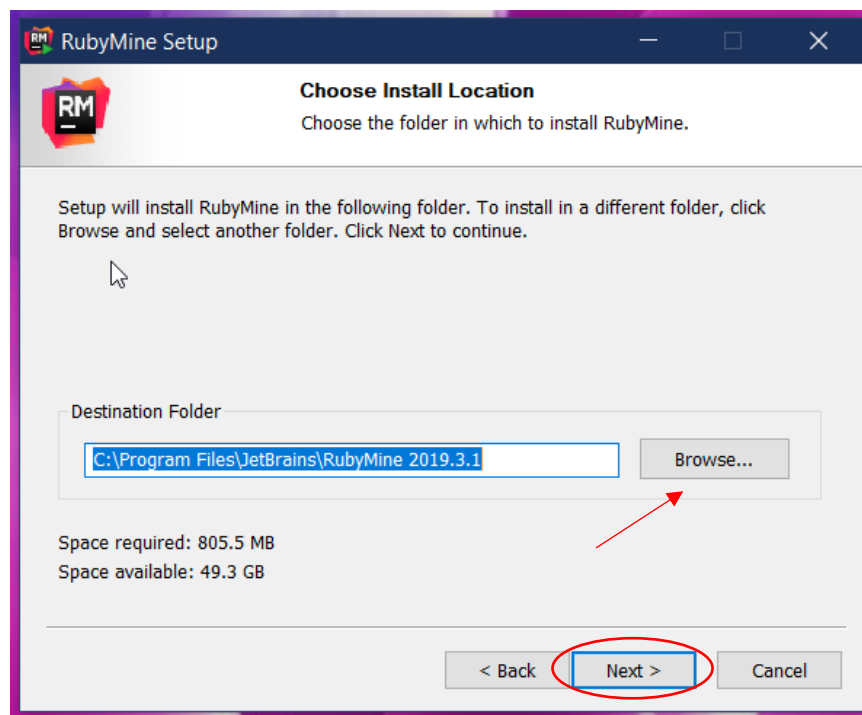
8. Open downloaded file **RubyMine-20xx.X.X.exe**:



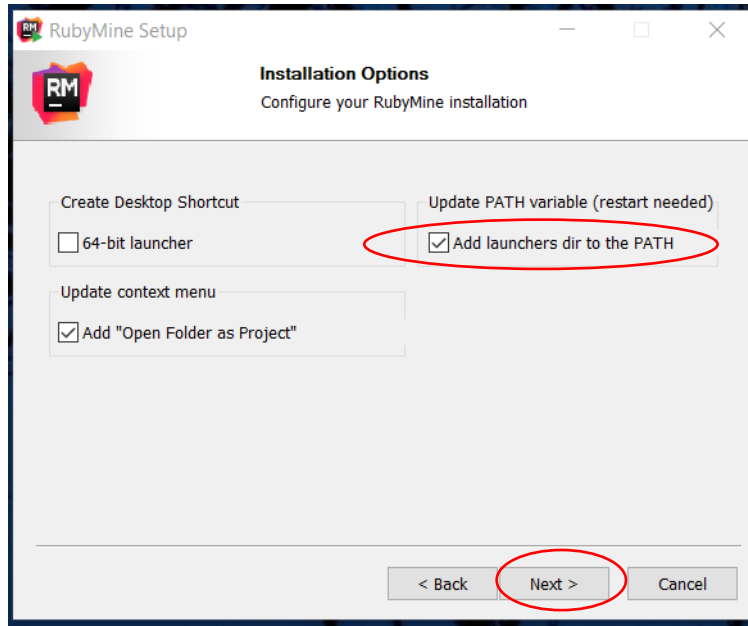
9. Click **Next**



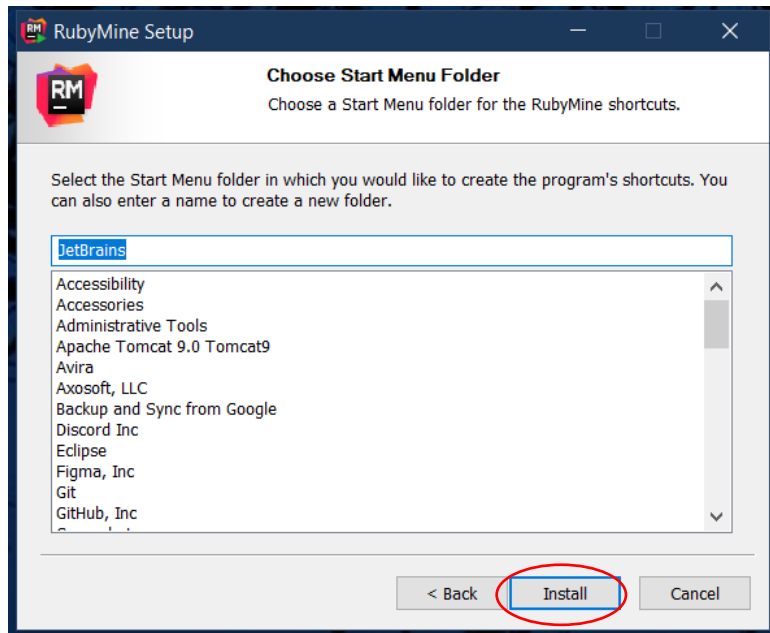
10. Choose **Destination Folder** and click **Next**:



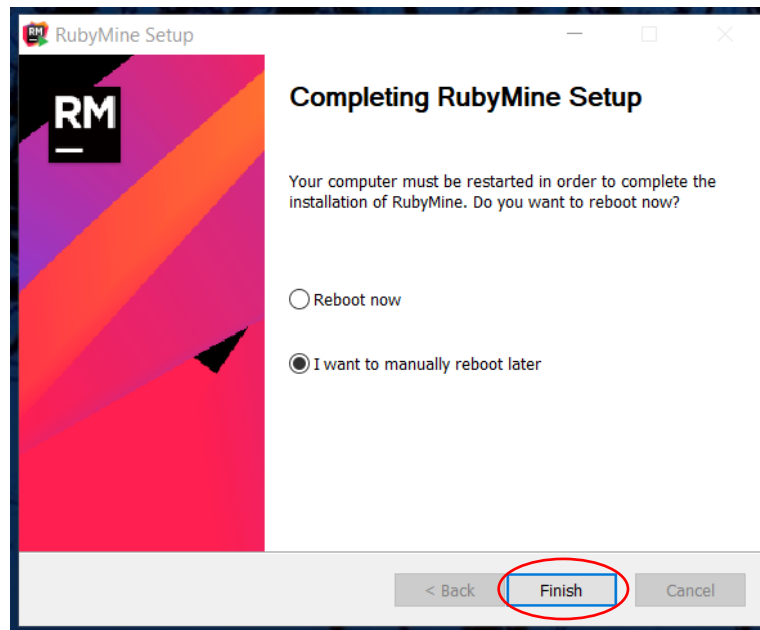
11. Select from available **Installation Options** (*your preference*)
12. Select **Add launchers dir to the PATH** and click **Next**



13. Select **Start Menu folder** and click **Install**:

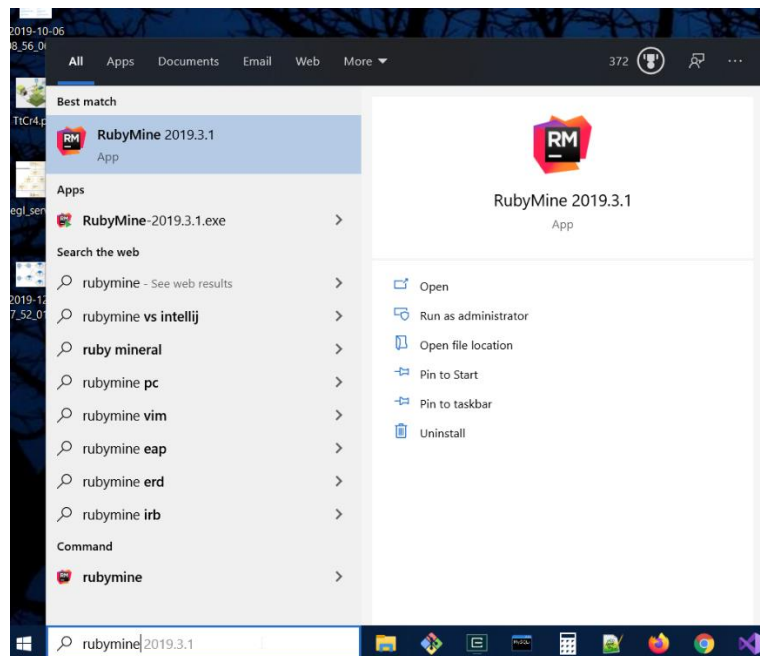


14. Select **Reboot now** or **I want to manually reboot later** and click **Finish**:

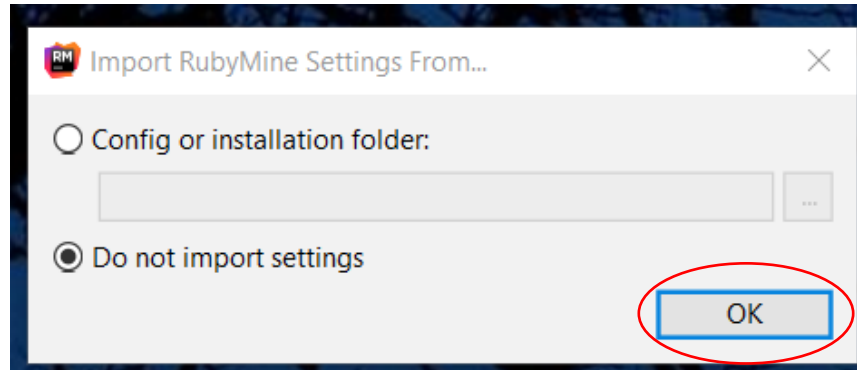


15. Reboot

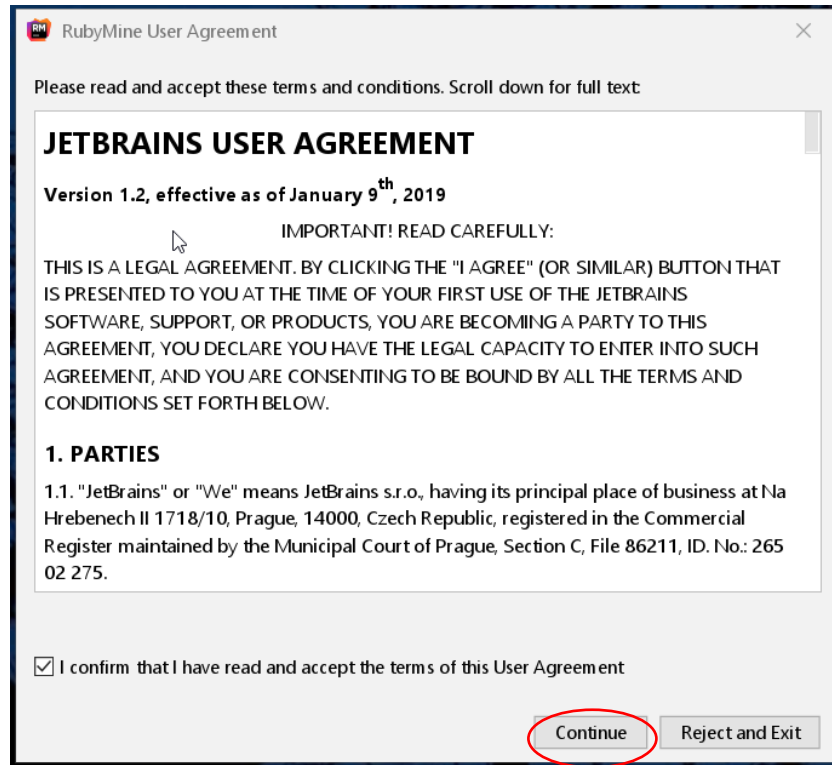
16. Open **RubyMine**:



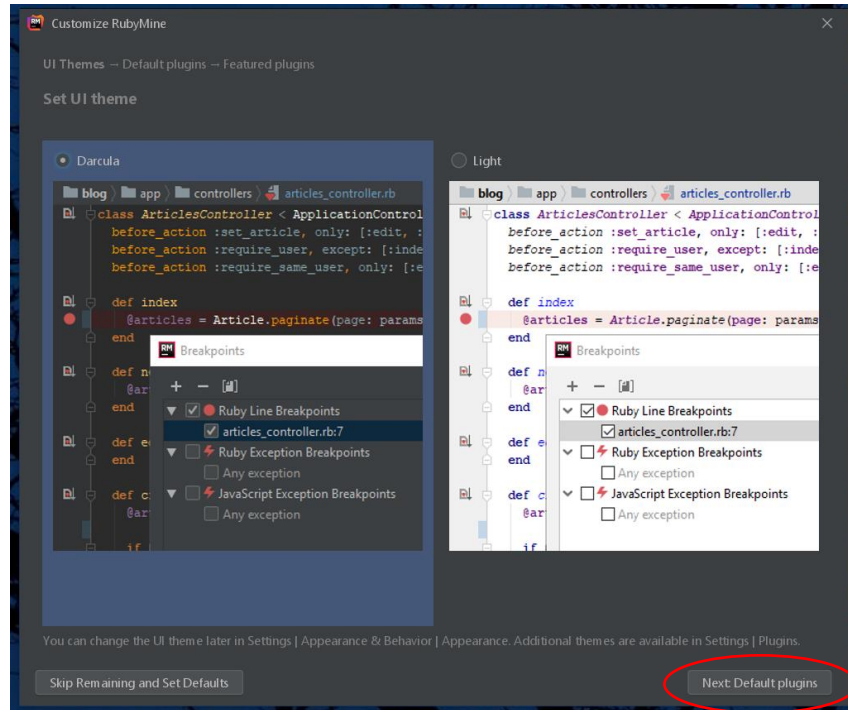
17. Select **Do not import settings** (unless you have a config file already and want to install them now) and click **Next**:



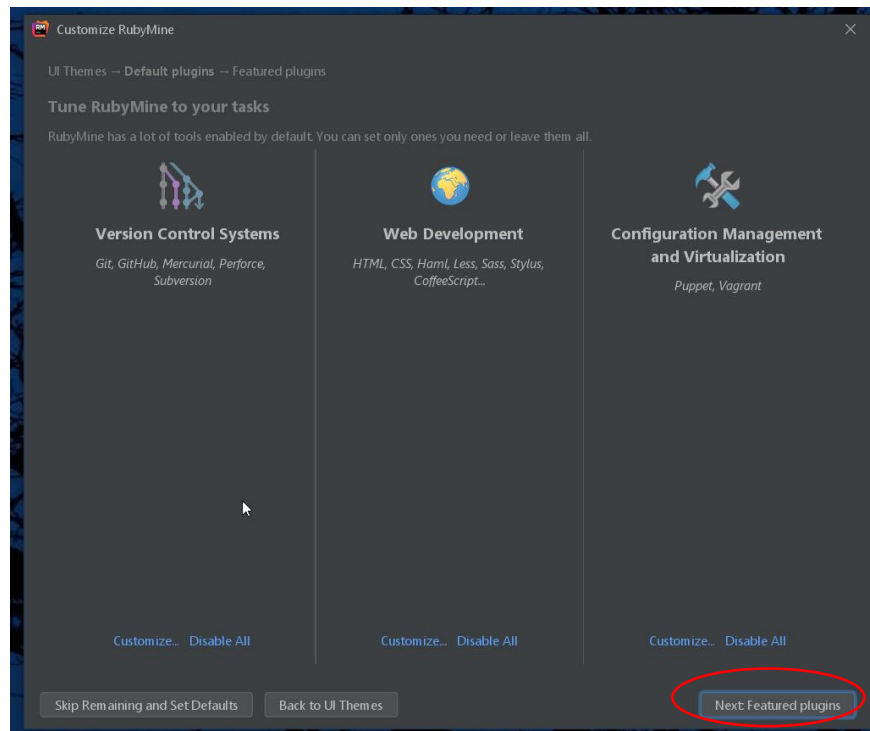
18. Select **I confirm** and click **Continue**

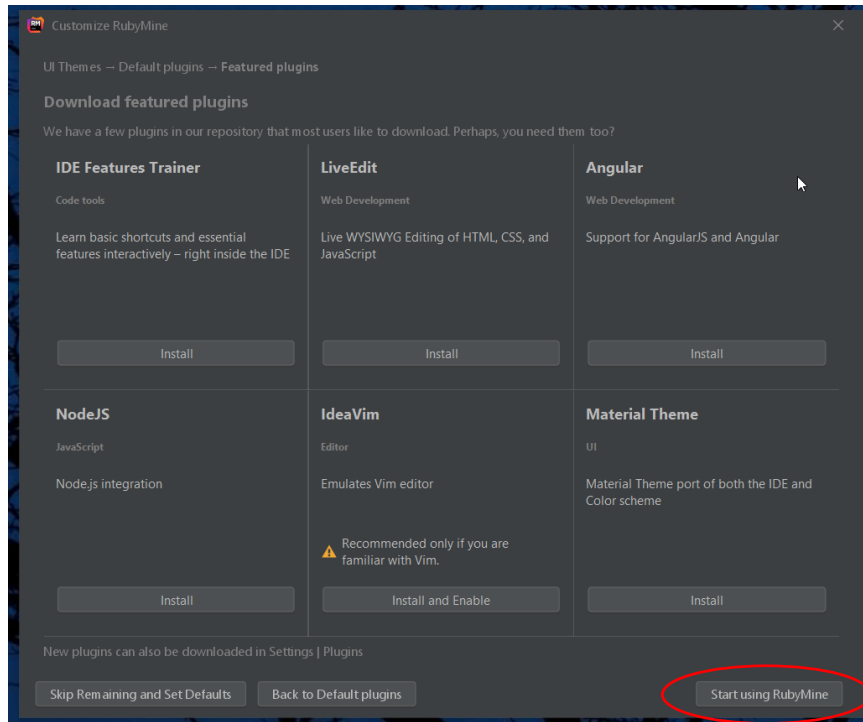


19. You can either **Skip Remaining and Set Defaults** or choose **UI Theme** and click **Next**
- Default Plugins:**

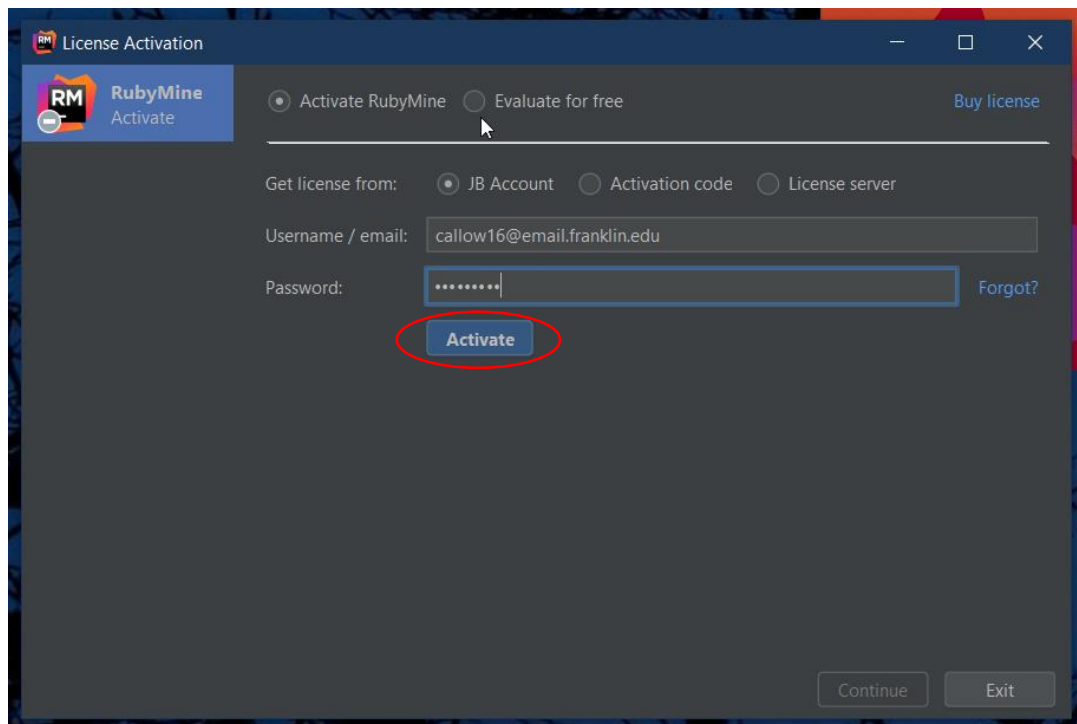


20. Choose Plugins and then click **Start using RubyMine**

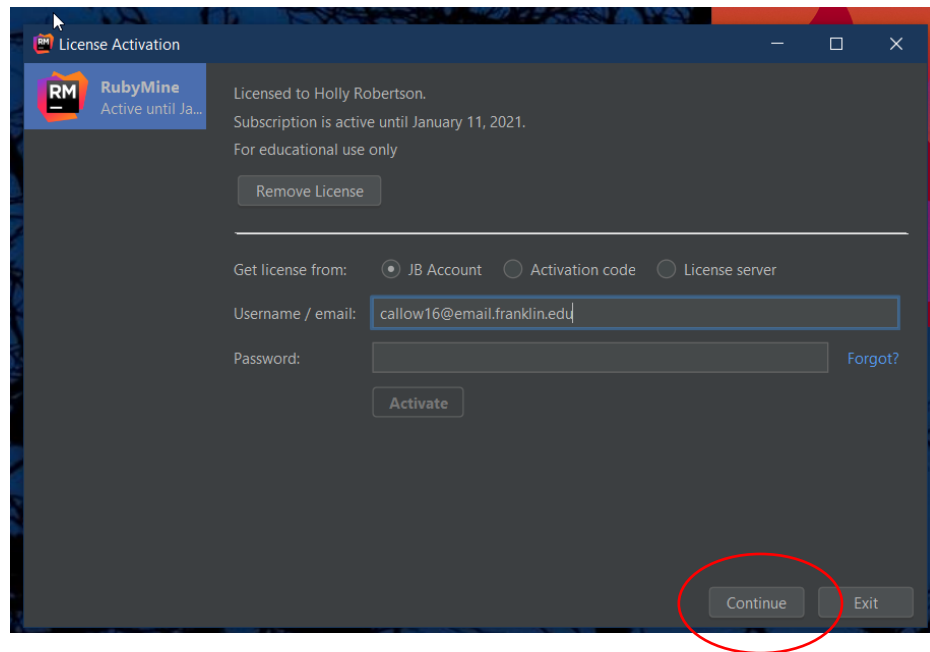




21. Select **Activate RubyMine** and sign-in to JetBrains Account and click **Activate (Step 5)**:



22. License info is shown at top now. Click **Continue**:



23. You are setup!

