

# ACE 592 SAE: Preliminary Setup

1. Join Slack!
2. Install git
3. Clone our class repository
4. Install your preferred text editor
5. Install Anaconda
  - a. Bonus: install our environment file.

## 1. Slack

Join the Slack group!

[https://join.slack.com/t/ace-592-saespring2024/shared\\_invite/zt-296hra9zb-3y5EcVw9r\\_ofV3kiz176Bg](https://join.slack.com/t/ace-592-saespring2024/shared_invite/zt-296hra9zb-3y5EcVw9r_ofV3kiz176Bg)

(make sure you use your Illinois email address)

Instead of using Compass, we will use a combination of Slack, Box, and GitHub to assign and submit homeworks as well as make class announcements.

Also take this as an opportunity to introduce yourself in the #introductions channel. Slack is a good way to get to know each other this semester and get help from your classmates when learning to code.

## 2. Install Git

*For Windows*

Go to this link: <https://git-scm.com/download/win>

*For Mac*

The easiest way to install git for Mac using the Terminal. This is good practice, as we will use the terminal a lot this semester!

1. Find your “Terminal App”
2. Install Homebrew: <https://brew.sh/> by copying and pasting what it tells you to.
3. After you’ve installed Homebrew, type: “brew install git” into your Terminal.

*For Linux*

For you masochists that use Linux, find your terminal and type “apt-get install git” for Debian/Ubuntu or else whatever this says if you are on a different distribution:

<https://git-scm.com/download/linux>.

### 3. Clone our repository:

Once you've installed git, you need to clone the class GitHub repository onto your computer to stay up to date with assignments and lectures.

Our repository is here:

<https://github.com/jphutch/ACE-592-SAE>

To clone a copy of this repo, go to your terminal (or "git bash terminal" if on Windows) and navigate to the place that you want to access the repo (use "cd" to change directories).

Then type:

```
git clone https://github.com/jphutch/ACE-592-SAE.git
```

You should now have our git repository downloaded onto your computer. In the class we will go over how to use "git pull" to update the repository as things become available.

### 4. Install your preferred text editor

My recommendations:

1. Visual Studio Code. This is my preferred editor because it has:
  - a. A nice git visual interface for learning those starting out with git.
  - b. Support for LaTeX and other useful things with plugins
2. Sublime Text
3. Notepad ++ (Windows only)

### 5. Install Anaconda

<https://www.anaconda.com/products/individual>

#### **Bonus:**

If you have experience with conda or are feeling brave, install our class environment file using "conda" in the terminal:

<https://docs.conda.io/projects/conda/en/latest/user-guide/tasks/manage-environments.html#creating-an-environment-from-an-environment-yml-file>

Our "environment" file is given in the GitHub repository.

**Note: we will go over this in class so don't worry if you can't figure it out**