In your terminal, run the command:

ssh-keygen -t rsa -b 4096 -C "email@example.com"

Press enter for every prompt to choose the default options.

This will generate the file ~/.ssh/id\_rsa and ~/.ssh/id\_rsa.pub. Copy all of the contents of ~/.ssh/id\_rsa.pub to your clipboard. Navigate to <https://ncsu.skyward.cloud/gitlab/profile/keys>, paste the public key into the textbox, and click "Add Key".

Make sure your ~/.ssh/config matches the one [here](https://github.ncsu.edu/engr-csc-sdc/2020SpringTeam32/wiki/.ssh-config), and that the Bastion computer is turned on. Once all these steps are completed, you should be able to successfully run:

ssh ncsu-gitlab

If this runs successfully, you'll be able to clone repositories from the GitLab. When you paste the URL of the repository to clone, replace "ncsu.skyward.cloud" with "ncsu-gitlab".