Authenticating with GitHub using SSH keys rather than username and password

It's better to use SSH certificates to authenticate with GitHub for several reasons:

* it's less bother than typing in your username and password every time
* it's less likely that git will get confused about which user put some changes, if you use different hgithub acounts for different projects
* GitHub are deprecating the use of usernames and passwords as an authentication mechanism, due to security concerns

There is a full guide on how to do this on GitHub, but here's a summary of the steps involved:

* ssh-keygen
* # Copy the text from ~./ssh/id\_rsa.pub to clipboard
* # Paste the copied text into GitHub when you add a new SSH key to your account

To add the public SSH signature to your github account, log into GitHub, then click on your user icon in the top-right, then click Settings, then SSH and GPG keys. Add a new SSH key, using the pasted pub contents.

To push using SSH, use the SSH version of the URL instead, e.g.

git push -u origin git@github.com:[YOUR\_USERNAME]/[YOUR\_REPOSITORY]