Git is the system for version control of our research efforts. It is a modern, [widely used](http://wiki.trecvt.com/lib/exe/fetch.php?media=git-barbie.png) tool for collaboration and saving work.

1. Get a [GitHub](http://www.github.com/) account. Please make sure you enter your full name into your GitHub account profile for ease of authentication.
2. Send an e-mail to Jason Ziglar (jpz@vt.edu) with your GitHub account name, make sure you mention this is for Intro to Robotics.
3. Install git.
   1. For Windows, install [Git Bash](http://msysgit.github.io/" \o "http://msysgit.github.io/)
   2. For Ubuntu, run sudo apt-get install git
4. Please review the Git Tutorials to familiarize yourself with the basics. Suggested tutorials to check out are [Atlassian](https://www.atlassian.com/git/tutorial/git-basics" \o "https://www.atlassian.com/git/tutorial/git-basics), [Roger Dudler](http://rogerdudler.github.io/git-guide/), and [Git](http://www.git-scm.com/book/en/Getting-Started" \o "http://www.git-scm.com/book/en/Getting-Started).
5. Follow the instructions [here](https://help.github.com/articles/generating-ssh-keys) for setting up SSH keys for GitHub. This is more secure, easier to use and administer, and the rest of these instructions assume you set this up.  
   \* **Recommended**: Do not set an SSH password (just press enter when asked for SSH password) and you will essentially use your computer security as the primary security for SSH.
6. Open a terminal (Git Bash in Windows, a shell in Linux/Mac) and execute the following commands:

git config --global user.name "Your Real Name"

git config --global user.email "Your E-mail Address"

git config --global fetch.prune "true"

git config --global push.default "simple"