GitHub Setup

STEP 1: Log into LinkedIn Learning using your HawkID

1. Under Website on the left-hand side, click on "Log into LinkedIn Learning"
2. Enter your HawkID and password

STEP 2: CHOOSE: Watch either the LinkedIn Learning session called GitHub for Data Scientists or Craft a Great GitHub Profile

## STEP 3: Complete Learning GitHub Course and Earn a Certificate

Once you have completed watching the entire LinkedIn Learning course, you have an opportunity to gain a certificate. This certificate is a great way to showcase your skills. You can add this certificate to your resume and your LinkedIn profile.

STEP 4: Create a GitHub account

1. Go to github.com
2. Click sign up (upper right-hand corner)
3. Create your account (see below)
   a. Consider using a professional\formal username - NOT something silly like doggernation or jellyfish15.
   b. You can use your uiowa.edu email address or your personal email address if you would like to keep using GitHub beyond school.
   c. Below is a sample of what it will look like.
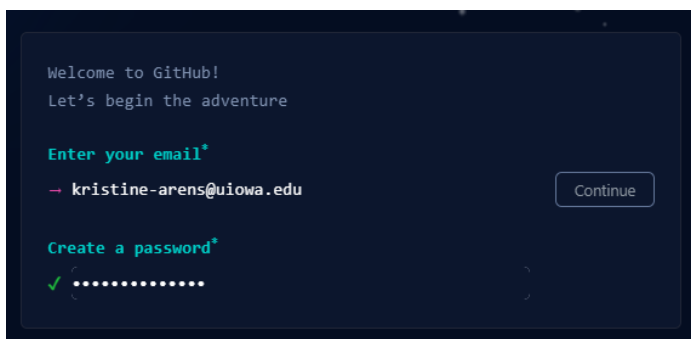
4. Next you will be asked to verify your email address. Go to your email and look for an email from GitHub. Either enter the code or click the "verify email address" link.
5. Once your email is verified you will get this screen.
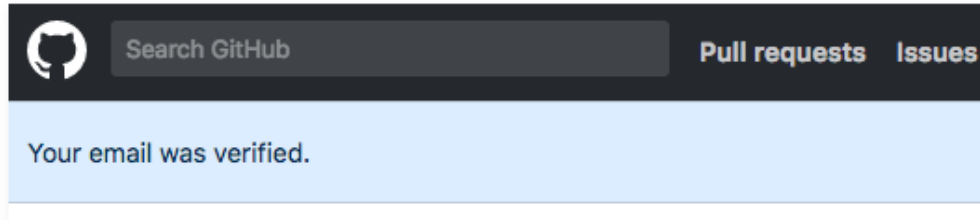
6. YOU DID IT! You are officially ready to log into GitHub.

STEP 5: Upload your picture and complete your profile

1. It's time to create your profile. Follow the steps located in this GitHub guide: Personalizing Your Profile
2. I would like to see you update the following:
    a. Add your name
    b. Create a short bio
    c. Upload a picture – This can be a picture of you or something else.

3. Once you are done, it should look something like this:
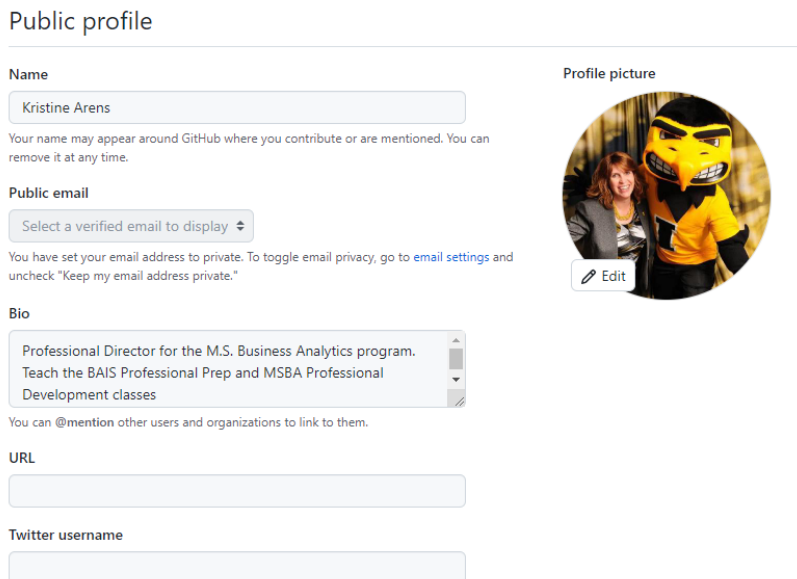
4. Click the green "Update profile" button
5. YOU DID IT! You are done setting up your profile.
6. Compare your site with mine to see if you have all of the setup steps completed:
    https://github.com/kristinearens/Hello_World

STEP 6: Create a Hello World Repository and Customize the Readme.md file (this step takes ~30 min)

1. Follow the instructions on this site to practice creating your first repository.
2. You will complete the following steps:
   a. Create a repository
   b. Create a branch
   c. Make and commit changes
   d. Open a pull request
   e. Merge a pull request

Below are a few screenshot of what it should look like as you create your repository.

3. When you are complete, you will have a repository that looks similar to the below example.
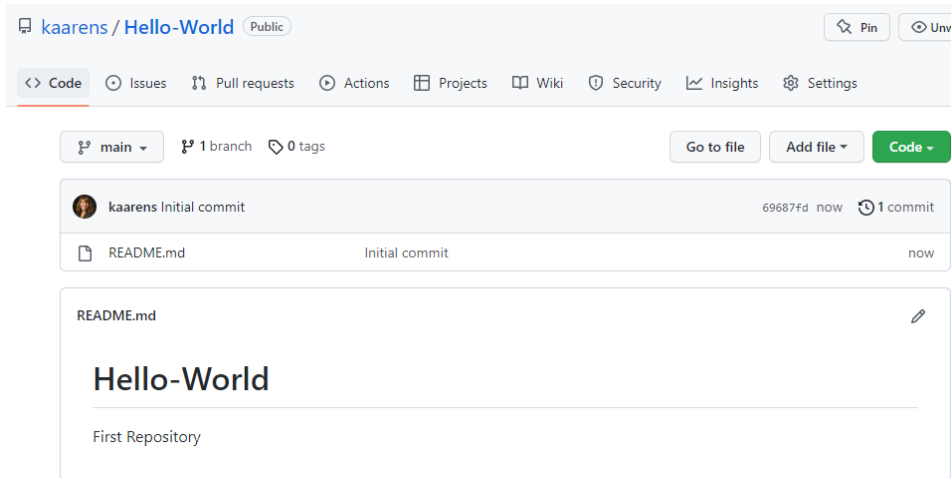
STEP 7: Update the README.md file

1. Using the Hello-World repository you just created, you will update the README.md file and practice using the Markdown syntax.
2. A quick guide to use Markdown can be found here: https://www.markdownguide.org/cheat-sheet/ or here: https://help.github.com/en/github/writing-on-github/basic-writing-and-formatting-syntax
3. Edit the Hello-World README.md file and create customized section headings and use **AT LEAST 4 different syntax options** (for example, bold, bullet points, headings, links, etc). To create a standard look and feel, you could use the following headings:
   a. Project Title
   b. Description
   c. How to Run Program
   d. Files Used
   e. Additional Documentation
   f. Versioning

   You can look at my GitHub for an example, but try out different heading types, fonts, text styling, lists, and so on. I **DO NOT** want you to just copy my file. You can even customize the headings a little to fit your style. https://github.com/kristinearens/Hello_World.

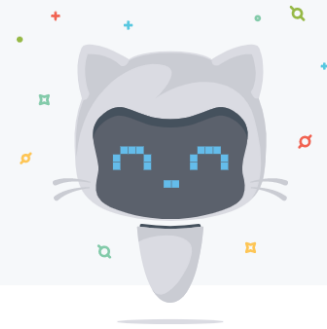## OPTIONAL STEP 8: GitHub Skills Lab (this step takes ~45 min – 1 hr)

1. Next, take some time to learn a little about GitHub. We hear from industry professionals that having some GitHub experience is a highly sought after skill. It can really set you apart from other candidates.
2. You may be directed to the GitHub Skills site, if not please go to this page: https://skills.github.com/.
3. From here, you can go through the process of interactive learning by following any of the beginner courses.

4. Select the "Start with *Introduction to GitHub*" course.
5. After the module is loaded, follow the interactive steps by clicking "Use this template".
6. NOTE: You often have to refresh the page for it to update from step to step.
7. Once you are finished with the course, you should have practiced creating a new branch, adding a file and merging sub-branch back into the main branch.

STEP 9: Submit GitHub Assignment

Download your certificate and submit your certificate and enter your personalized GitHub URL as a comment to demonstrate you completed this work.