

Lab Website Update Guide

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Software Preparations:

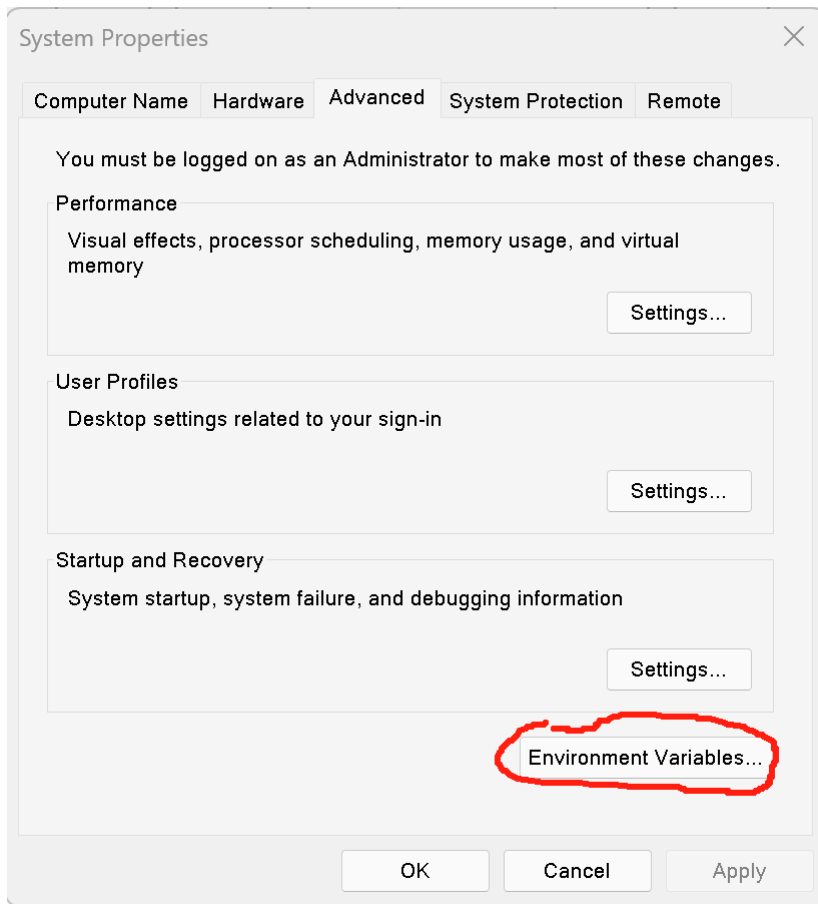
Hugo

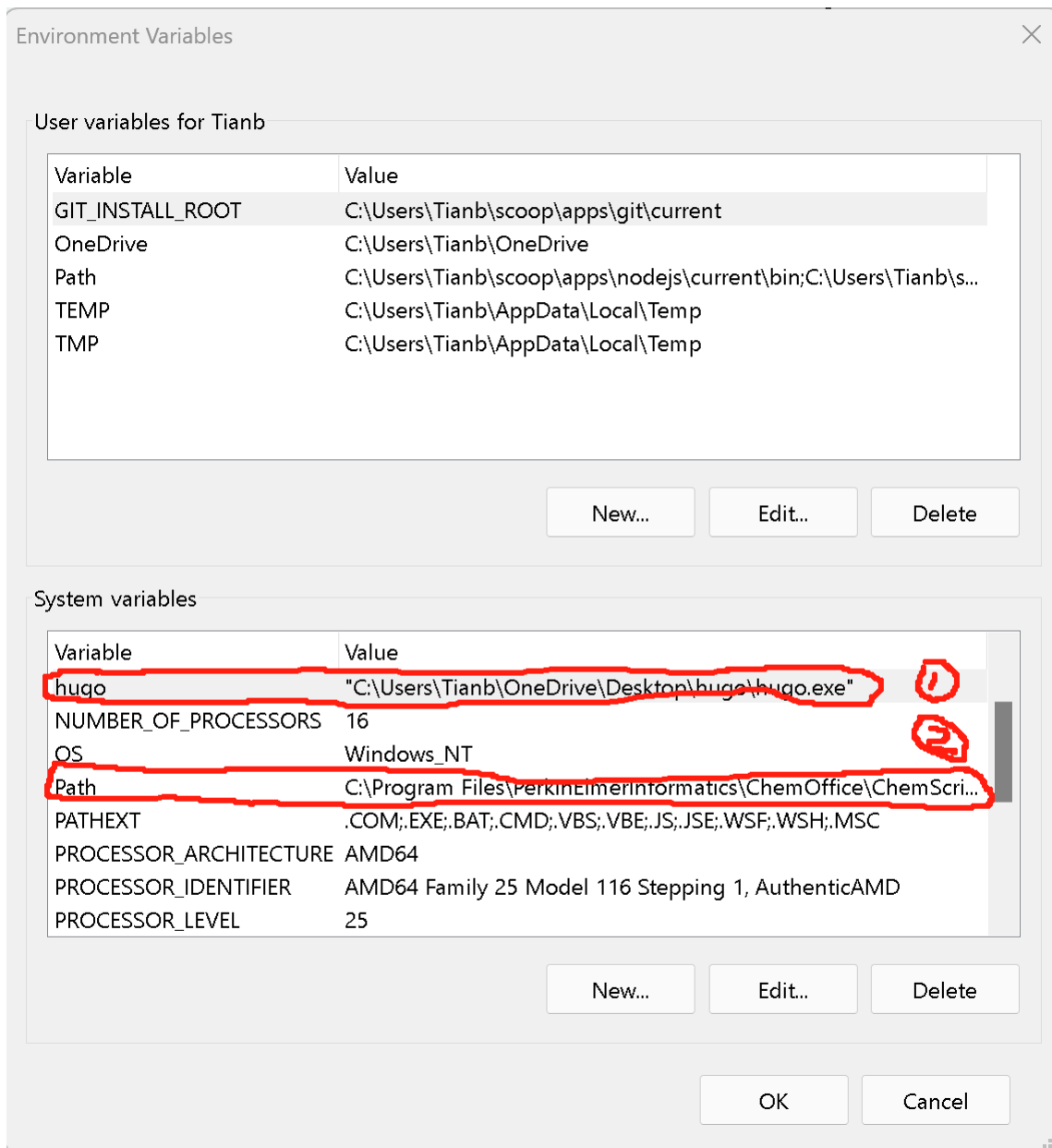
Hugo is a local website generator, we can use it to preview the website and fix errors/bugs before we push it to the GitHub.

Installation:

There is a file called “Hugo.exe” in Microsoft drive. Then we will add it to environment variable so that we can use it via Powershell.

search “edit the system environment variable”





Add the path to above 2 place.

Test

Open Powershell, type "Hugo Version" if you see following content, that's a success!

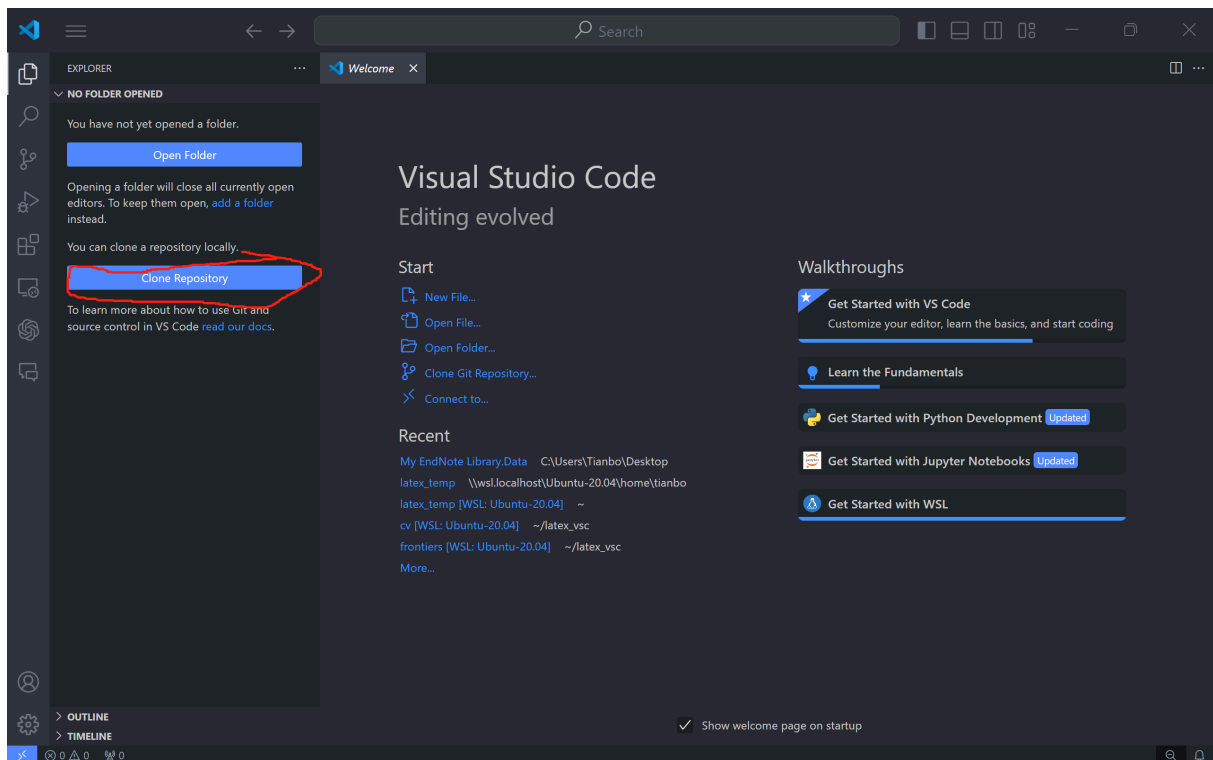
```
PS C:\Users\Tianb\OneDrive\Desktop> Hugo version
hugo v0.101.0-466fa43c16709b4483689930a4f9ac8add5c9f66+extended windows/amd64 BuildDate=2022-06-16T07:09:16Z VendorInfo=gohugoio
```

Vscode

Vscode is a local text editor like text/notepad. It's much easier to use and Git is already integrated into it. Strongly recommend! Download link: <https://code.visualstudio.com/>

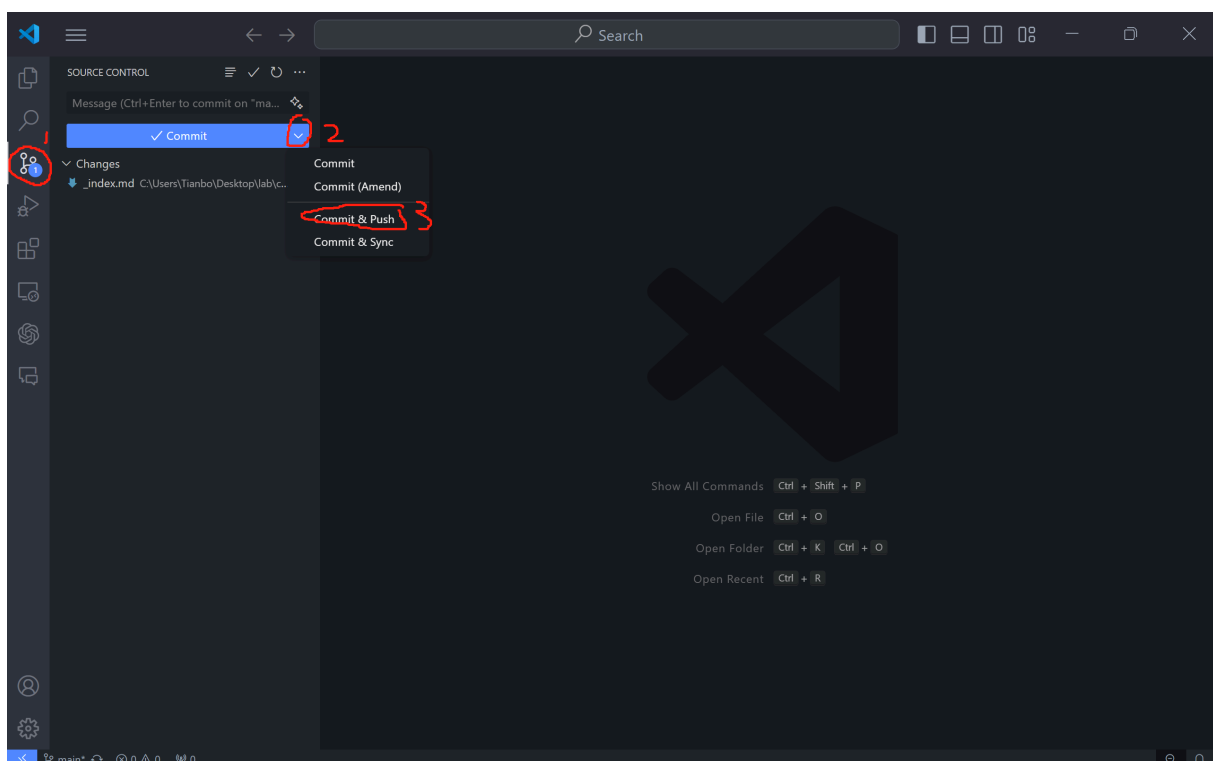
Basic Operations:

Clone Repository from GitHub to Local:

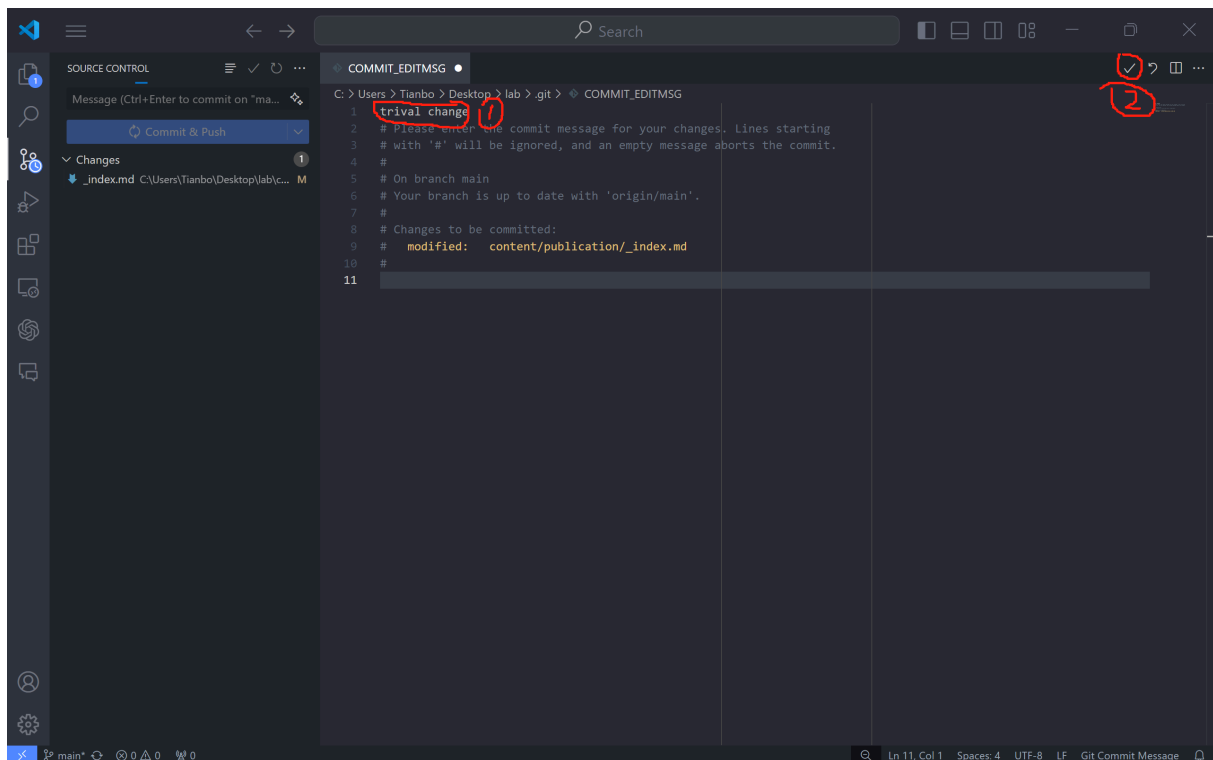


Then choose the local place and we get the lab website file folder.

Push Local Changes to GitHub



Give a description of that change and click to right mark on the 1 Clock direction.



Build Website Locally

Type “Hugo Server” in the PowerShell on the repository folder. We will get something like that.

```
PS C:\Users\Tianbo\Desktop\lab> hugo server
Start building sites ...
hugo v0.101.0-466fa43c16709b4483689930a4f9ac8add5c9f66+extended windows/amd64 BuildDate=2022-06-16T07:09:16Z VendorInfo=gohugoio

-----+ EN
Pages           | 88
Paginator pages | 1
Non-page files  | 14
Static files    | 22
Processed images | 67
Aliases         | 7
Sitemaps        | 1
Cleaned         | 0

Built in 467 ms
Watching for changes in C:\Users\Tianbo\Desktop\lab\{assets,content,data,layouts,static}
Watching for config changes in C:\Users\Tianbo\Desktop\lab\config.toml, C:\Users\Tianbo\Desktop\lab\config\_default, C:\Users\Tianbo\Desktop\lab\go.mod
Environment: "development"
Serving pages from memory
Running in Fast Render Mode. For full rebuilds on change: hugo server --disableFastRender
Web Server is available at http://localhost:1313/ (bind address 127.0.0.1)
Press Ctrl+C to stop
```

Copy and paste the <http://localhost:1313/> to the browser and we can preview the website before update it online.

Update Details

Almost all content change can be operated in “content “ file.

Change on Authors

Content-Authors then you can see these files:

Name	Date modified	Type	Size
admin	5/15/2024 3:31 PM	File folder	
brynn	5/15/2024 3:31 PM	File folder	
glenna	5/15/2024 3:31 PM	File folder	
hanna	5/15/2024 3:31 PM	File folder	
hannah	5/15/2024 3:31 PM	File folder	
henry	5/15/2024 3:31 PM	File folder	
miranda	5/15/2024 3:31 PM	File folder	
pandeya	5/15/2024 3:31 PM	File folder	
sophia	5/15/2024 3:31 PM	File folder	
tianbo	5/15/2024 3:31 PM	File folder	
you	5/15/2024 3:31 PM	File folder	

The admin is Dr.Schendel. Let's take admin as an example:



_index.md



avatar.png

If you want to change the picture. Delete current one, and put a new one and name it as "avatar".

The md file is pretty straight forward. You can change anything you want. The trick is on the "users group". All options are defined in content/people and content/people2. Those 2 files are the key of showing current members and alumni on our lab page.

```

72 user_groups:
73   - Principal Investigator
74   ---
75
76 Rachel Schendel grew up on a dairy farm in southeastern Minnesota. She received her B.S. (double major in Food Science/Nutrition Science, 2010) and MS (Food Science, 2012)
degrees from the University of Minnesota-Twin Cities and completed her doctorate (Food Chemistry) from the Karlsruhe Institute of Technology in Karlsruhe, Germany in 2016. She
was honored to join the University of Kentucky's Department of Animal and Food Sciences as an assistant professor in 2017. She also teaches undergraduate courses in Food
Processing and Food Fermentations. Besides being a research nerd, she loves playing the piano, playing chess, exploring Kentucky, making and eating food, and drinking coffee. She
and her husband, Isaac, have two beloved daughters, Lisbeth and Margaret.
77

```

Let's open content/people/people.md (That's for Current member tab) to see the structure of that:

Options includes

- Principal Investigator
- Postdocs
- Technicians
- Grad Students
- Undergrad Students
- Visitors

For content/people2/people.md (That's for Alumni tab)Options includes:

- Alumni

```
people.md X
C: > Users > Tianb > OneDrive > Desktop > lab > content > people > people.md
1 ---
2 # An instance of the People widget.
3 # Documentation: https://wowchemy.com/docs/page-builder/
4 widget: people
5
6 # This file represents a page section.
7 headless: true
8
9 # Order that this section appears on the page.
10 weight: 68
11
12 title: Meet the Team
13 subtitle:
14
15 content:
16   # Choose which groups/teams of users to display.
17   # Edit `user_groups` in each user's profile to add them to one or more of these groups.
18   user_groups:
19     - Principal Investigator
20     - Postdocs
21     - Technicians
22     - Grad Students
23     - Undergrad Researchers
24     - Visitors
25
26
27 design:
28   show_interests: false
29   show_role: true
30   show_social: true
31 ---
```

Change on News

All news updates are on “post” folder I think current examples are enough to do modifications but some reminders are necessary.

- If you want to a picture near the post like that: put the picture named “featured” in the same folder.

Recognition from ACS for Miranda

Congratulations to Miranda for being selected for the **Women Chemists Committee/Eli Lilly Travel Award** to present at the upcoming national meeting of the American Chemical Society. She'll be sharing her work on cell wall characterization of hempseed carbohydrates (and a little lignin)

Last updated on Mar 7, 2023 · 1 min read



featured.png



index.md

- If you want to add some picture in the news like <https://rslabuky.netlify.app/post/23-07-25-mirandagrad/> We need to put the picture under “static”, in this case, the picture is located statics/mirandagrad.jfif

```

---
title: Congratulations to Miranda, our newest Master of Science!
date: 2023-07-25
---

We are very happy to formally congratulate Miranda on her successful thesis defense today! Your success today is a capstone built on a sturdy foundation of two years of diligent, carefully planned work – reading literature, learning methods, finishing coursework, and conducting laboratory experiments. We are very proud of your accomplishments, and we wish you joy and success in your next chapter.
<!--more-->
![[mirandagrad]](/mirandagrad.jfif)

```

Change on Publications

Very similar to post. I will give some reminders:

example: <https://rslabuky.netlify.app/publication/miranda-grass-2024/>

```

title: Characterizing the non-starch polysaccharides of hempseed cell walls
subtitle: ''
summary: ''
authors:
- miranda
- brynn
- hanna
- henry
- Brittany Davis
- admin
tags: []
categories: []
date: '2024-05-14'
lastmod: 2022-05-09T10:11:44-04:00
featured: false
draft: false

# Featured image
# To use, add an image named 'featured.jpg/png' to your page's folder.
# Focal points: Smart, Center, TopLeft, Top, TopRight, Left, Right, BottomLeft, Bottom, BottomRight.
image:
  caption: ''
  focal_point: ''
  preview_only: false

# Projects (optional).
# Associate this post with one or more of your projects.
# Simply enter your project's folder or file name without extension.
# E.g. 'projects = ["internal-project"]' references 'content/project/deep-learning/index.md'.
# Otherwise, set 'projects = []'.
projects: []
publishDate: '2023-04-15'
publication_types:
- '2'

```

- Use name on Authors folder(example: “admin” for Dr. Schendel). If for non-group authors,make sure use same name for them every time.
- 2 for publication types means journal article. I cannot remember what 1,3,4 stands for...
- If Corresponding author is non-group member. Reference <https://rslabuky.netlify.app/publication/schendel-grass-2023/>

```

authors:
- Isabelle Kagan
- Brittany Davis
- admin
author_notes:
- 'Corresponding Author'

```

Contact

Please contact xtb_bjut@126.com or tianbo_tse@tamu.edu if you got tricky problems.

Future

It's very possible that website will be reconstructed via other engines(like World Press). A new guide will be given at the time.