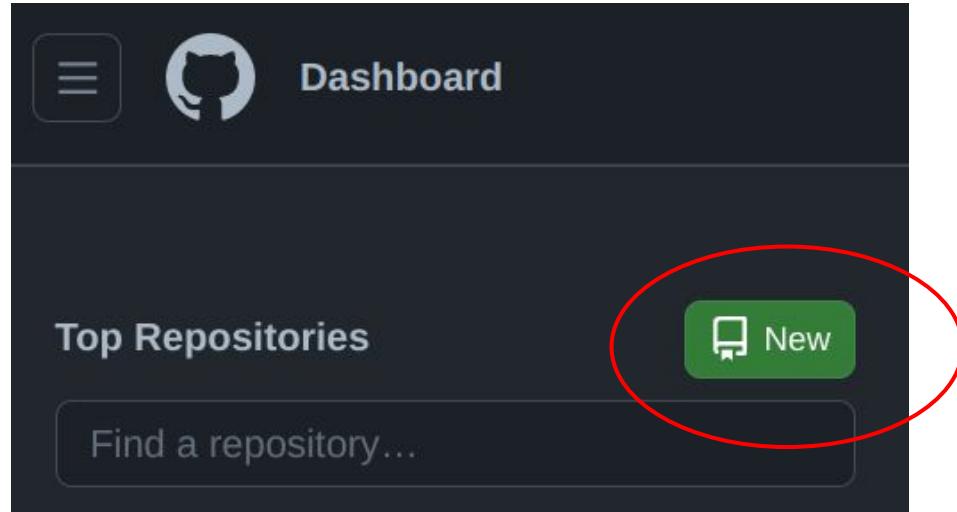# HOSTING YOUR OWN WEBSITE ON GITHUB

RAPSCALLIONS

(Rutgers Astronomy and Physics Sessions for Collaborative and Advanced Learning: Lunchtime Instruction and Organization for New Skills)

Dilys Ruan

SETTING UP THE REPOSITORY ON GITHUB

https://github.com >> log in >> click "New"

SETTING UP THE REPOSITORY ON GITHUB

Enter **repository name** as "<username>.github.io"
Your **website URL** will be: https://<user>.github.io/<repo>.github.io
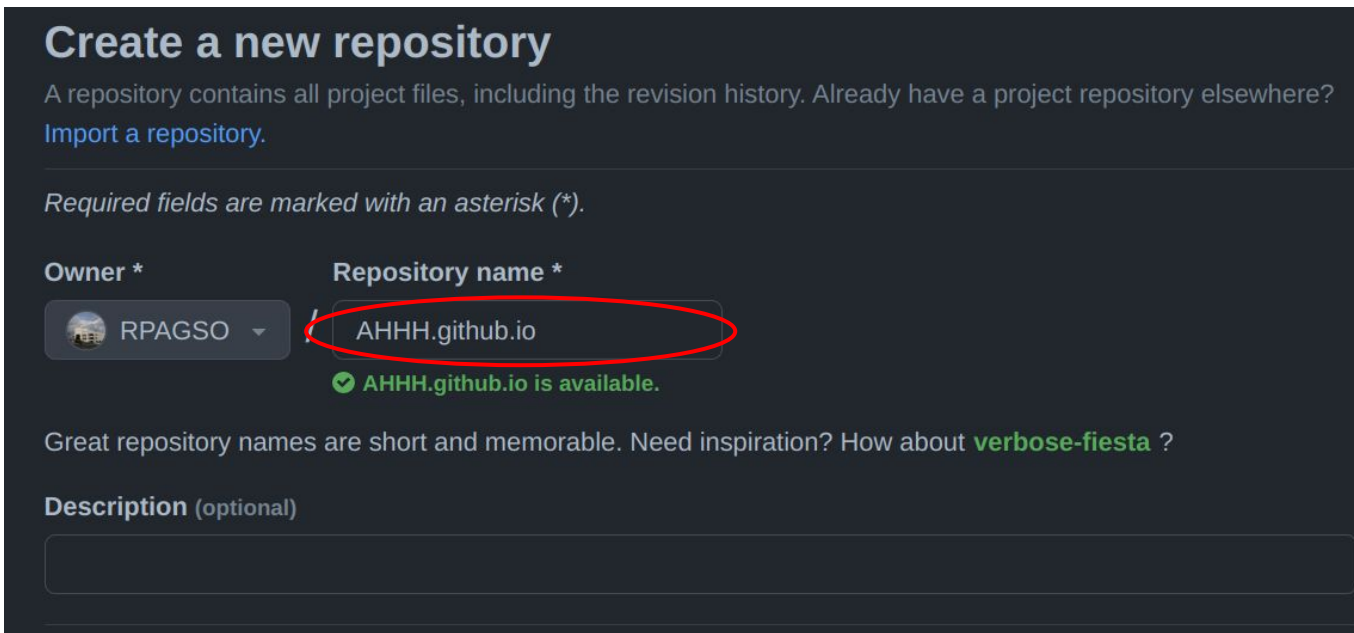*** you only get one GitHub page per GitHub account!
(I think you get unlimited project pages though)

SETTING UP THE REPOSITORY ON GITHUB

ONCE PUBLISHED, ALL GITHUB PAGES ARE PUBLIC, regardless of whether the repository itself (with all the .html files) is public/private!!!

Public
⦿ 📖 Anyone on the internet can see this repository. You choose who can commit.

Private
○ 🔒 You choose who can see and commit to this repository.
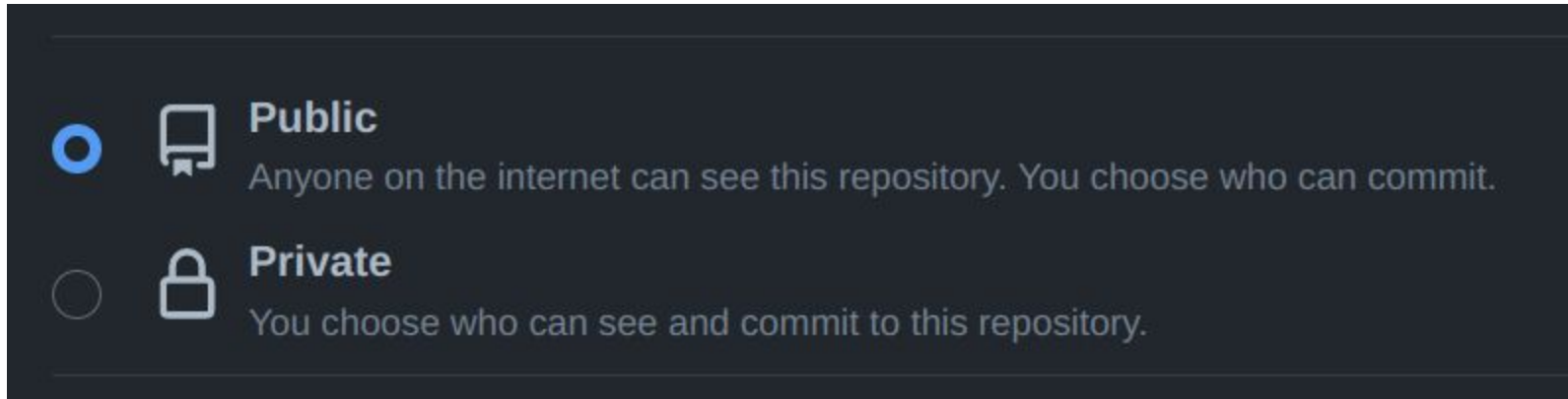
When you're done setting up, hit: **Create repository**

SETTING UP THE REPOSITORY ON GITHUB
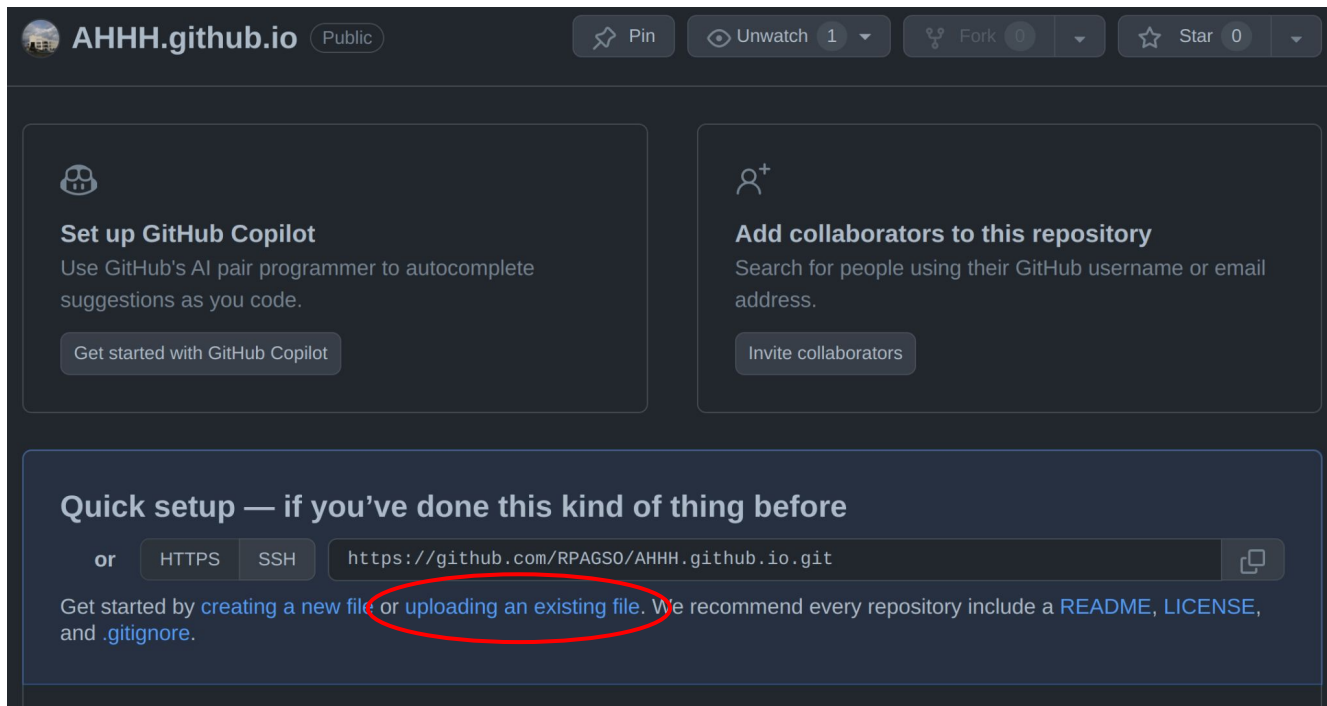
We will upload the downloaded HTML5 template!

PICKING YOUR THEME

You *could* code the HTML yourself and go for a simple webpage with text, links, and images.
(most course websites use something like this)

Lots of helpful guides to just get started with HTML

HTML5 templates have the spiffy graphics already coded, so you can just replace whatever elements, images, text, etc.
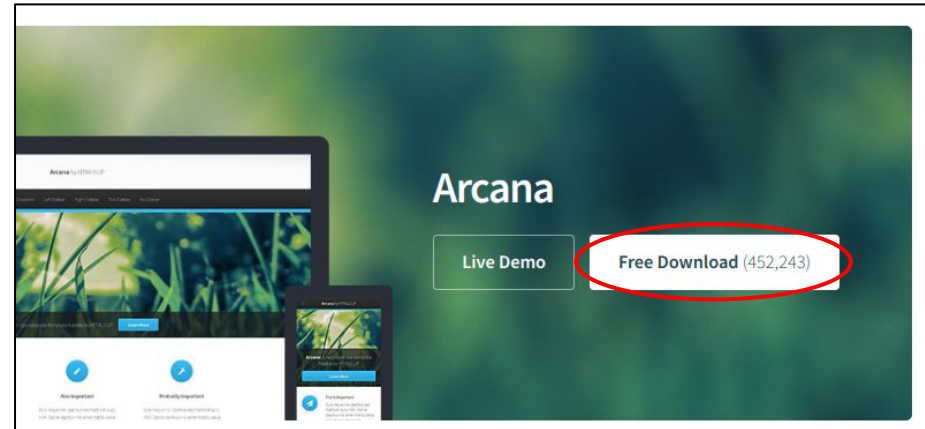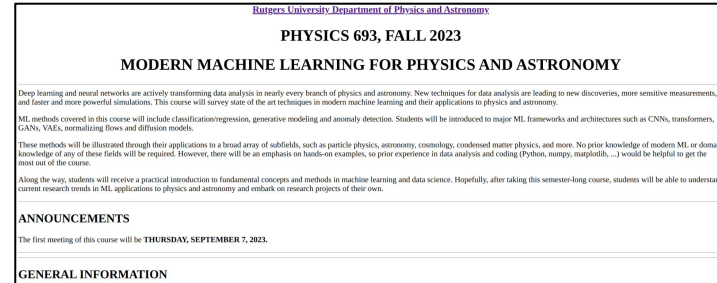
EDITING THE INDEX.HTML FILE

HTML – edit this to change the text, images, etc.
CSS – contains all the aesthetic elements (I usually don't change anything here)

So the fancy template may be TOO fancy, and you may not need all the features for your website…

You must **delete the parts you don't want** (cannot comment out in HTML)! Things may break if you delete an essential line…

BROAD RESEARCH STATEMENT

For now, let's add a paragraph with our research statement:

```
<div id="main">
…
    <header>
        <h2 style="color:black">Research</h2>
    </header>
    <p style="color:black;font-size:20px;text-align:left">
        I'm interested in exploring cosmology questions (i.e. Hubble tension, dark
matter) through the tools of gravitational lensing and hydrodynamic cosmological
simulations. I've worked with pygravlens, lensmodel, halotools, gala, emcee, and
simulations like IllustrisTNG and Romulus (zoom-in).
        <br>
        My advisor is <a href="https://www.physics.rutgers.edu/~keeton/">Chuck
Keeton</a>, and we focus on lens models and physically-motivated priors to
improve measurements of the Hubble constant through strongly lensed quasars by
massive elliptical galaxies.
        <br>
    </p>
 …
</div>
```

PAPERS – ORCID / INSPIRE HEP / ARXIV / ADS LIBRARY

If/when you have papers, link them on your website!

```
<div id="main">
…
<header>
        <h2>Papers</h2>
</header>
<p>

        Here's a <a
href="https://ui.adsabs.harvard.edu/s
earch/q=orcid%3A0000-0002-8783-57
0X&sort=date+desc">list of my
publications on ADS</a>

</p>
…
</div>
```

"Selected publications" are nice to have directly on your site. This is a **reversed numbered list**.
For a bulleted list, replace "ol" with "ul"

```
<div id="main">
…
<ol reversed>
        <li> "Statistical Bias in the Hubble Constant
and Mass Power Law Slope for Mock Strong
Lenses" Dilys Ruan, Charles R. Keeton, 2023,
submitted to MNRAS
        <li>"Discovery of a pulsar wind nebula
around B0950 + 08 with the ELWA" D. Ruan, G. B.
Taylor, J. Dowell, K. Stovall, F. K. Schinzel, P. B.
Demorest, 2020, MNRAS, arXiv:2005.03303
        </li>
</ol>
…
</div>
```

HYPERLINKS

Links can be to another website:

`<a href="https://google.com">TEXT ON WEBSITE</a>`

Or to a PDF (like a CV?):

`<a href="folder/CV.pdf"> CV </a>`

Or you can link to jump to another part of the page
(this is fancy and probably already coded into the INDEX.HTML)

`<a href="#research" id="portfolio-link"><span class="icon solid fa-th">Research</span></a>`

`…`

`<section id="research" class="two">`
`…`
`</section>`

ADD AN IMAGE OF YOURSELF

Maybe the first thing on your page OR in your "About Me" section

```
<div id="main">
…
<img src="images/IMG_2023.jpg"
ALIGN="right" width="182.4" height="220."/>
…
<p> …
</p>
…
</div>
```

Most of these HTML5 templates have a folder with all the images, so make sure you refer to the correct directory!

Image height/width are entered manually, so check your image's "Properties" to get the pixel dimensions and scale down if needed.
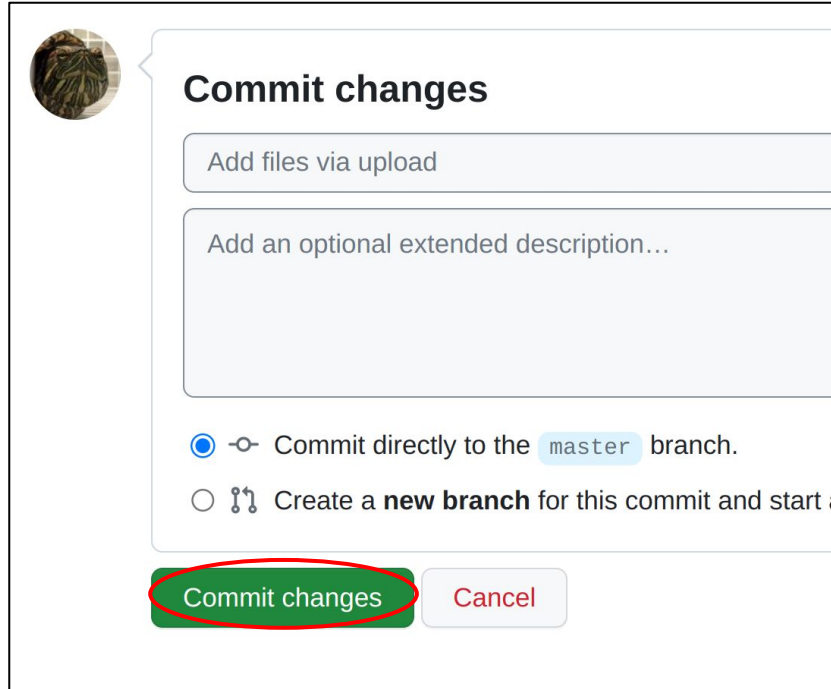
UPLOAD ALL OF YOUR FILES (i.e. INDEX.HTML) TO GITHUB
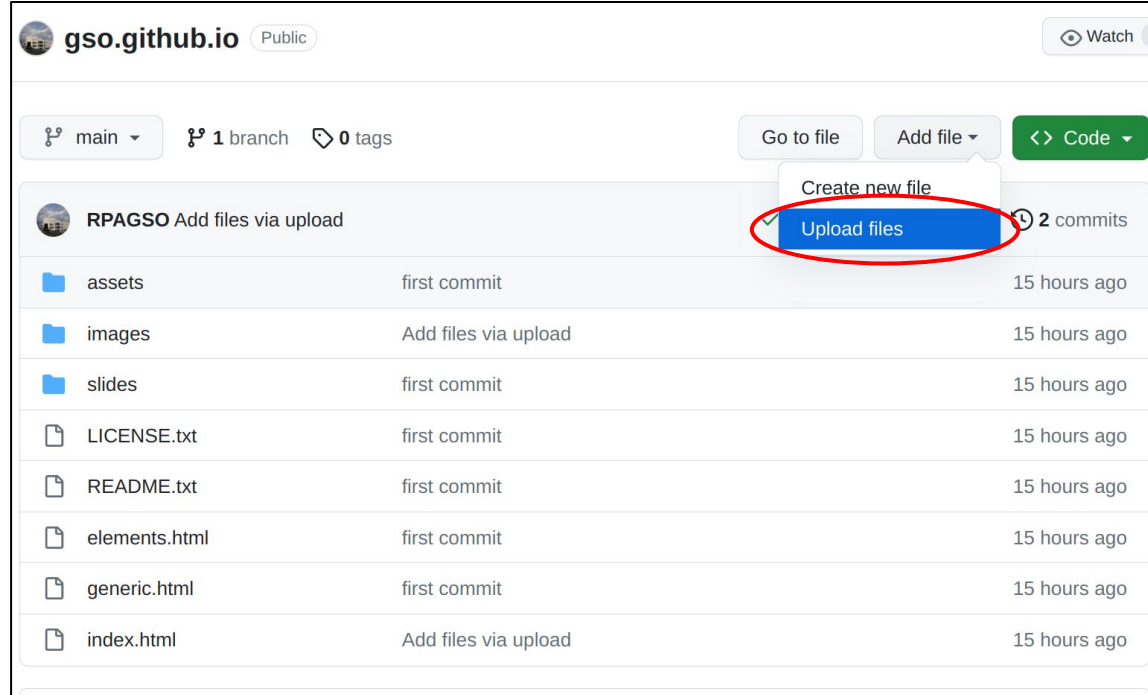
You can be fancy and commit, push, etc... but it's not really necessary

UPLOAD ALL OF YOUR FILES (i.e. INDEX.HTML) TO GITHUB

Commit changes

Add files via upload

Add an optional extended description…

⊙ -○- Commit directly to the `master` branch.

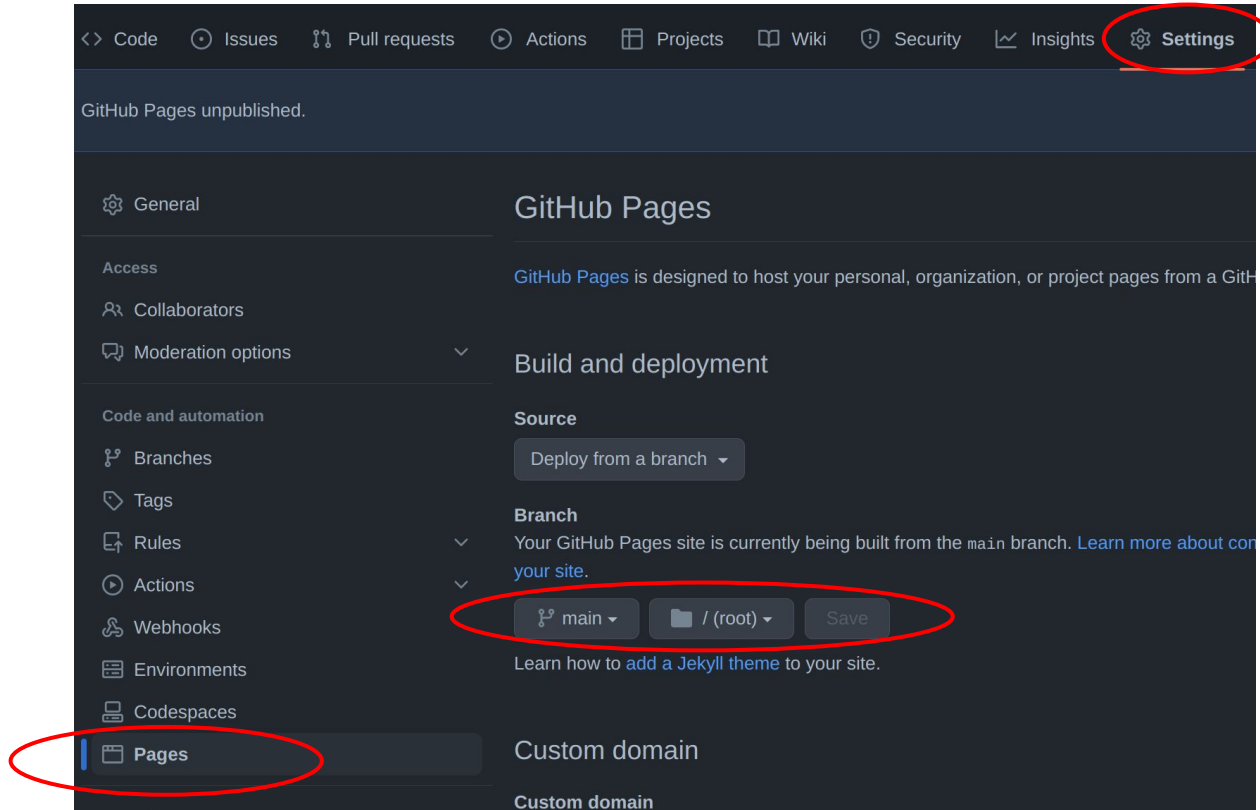○ ⑂ Create a **new branch** for this commit and start

Commit changes   Cancel

← Best practice is to comment on what you updated

Re-uploading files like index.html will overwrite the older version

PUBLISHING YOUR SITE

Settings >> (under code and automation) Pages, select main branch

PUBLISHING YOUR SITE

Once you hit "save" under Branch, reload the page and it will show this once your site is published:

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at https://rpagso.github.io/gso.github.io/
Last deployed by 🏠 RPAGSO 1 minute ago

⬏ Visit site   ⋯

PUBLISHING YOUR SITE

Once you hit "save" under Branch, reload the page and it will show this once your site is published:

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.
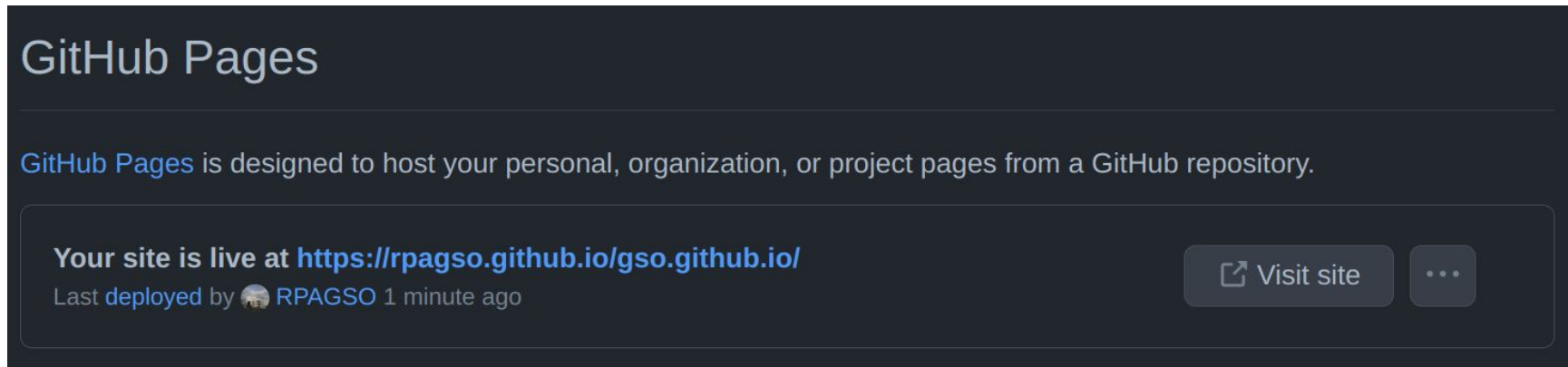
Your site is live at https://rpagso.github.io/gso.github.io/

Last deployed by 🌐 RPAGSO 1 minute ago

⬚ Visit site   ...

1. Keep editing your INDEX.HTML file,
2. Upload your new files to GitHub, and
3. Refresh the https://<user>.github.io/<repo>.github.io page to see your changes (takes a few seconds)

ROUGH LIST OF SECTIONS ON A WEBSITE:

Research Interests
- Broad statement
- Advisor/collaborations
- Papers/projects (section/subsection)

Conferences/Presentations
- Talks/posters or meetings you've attended
- Can even list research talks you've given at Rutgers!

Education/Institutions
- Undergrad, Grad, Institutions you've done research at (REUs, etc.)
- Include years for each

About Me
- Can include some personal stuff (hometown, nationality, pets?)
- Any service work or organizations (section/subsection)

Any other sections?
Can add to slides for final version