



HOSTING YOUR OWN WEBSITE ON GITHUB

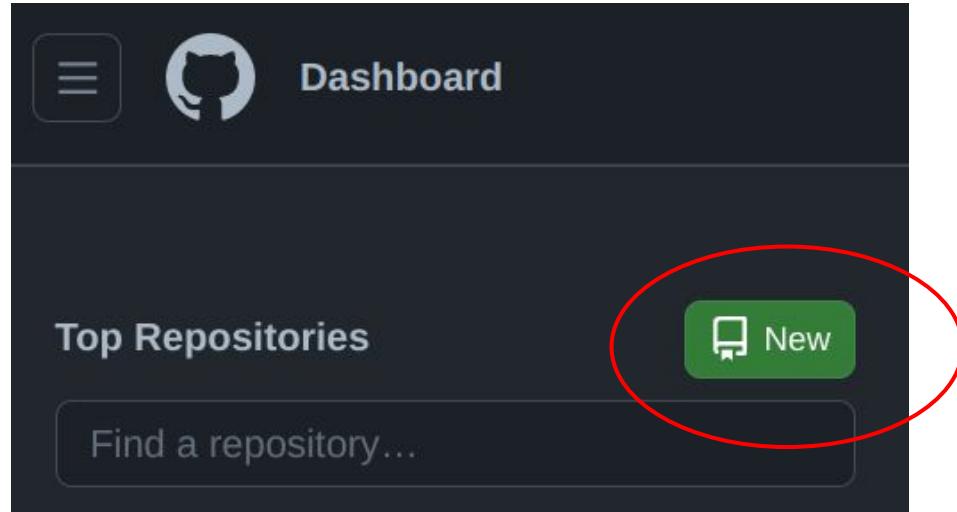
RAPSCALLIONS

*(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"



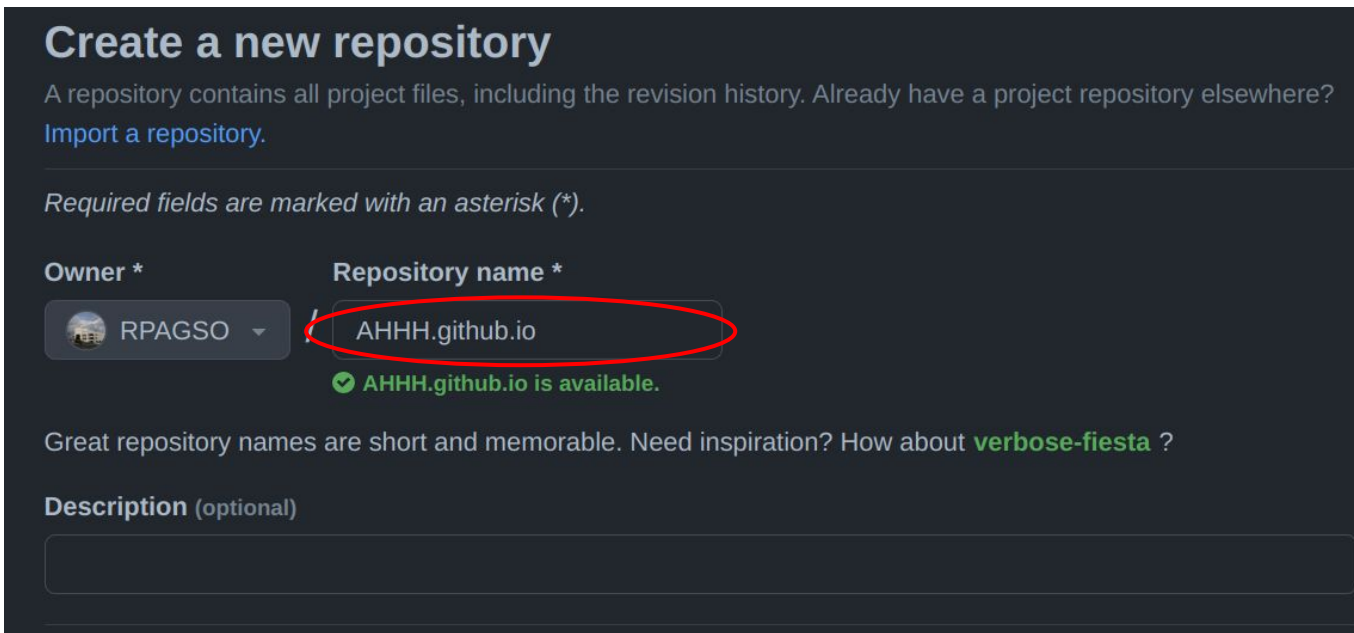
SETTING UP THE REPOSITORY ON GITHUB

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)



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk ().*

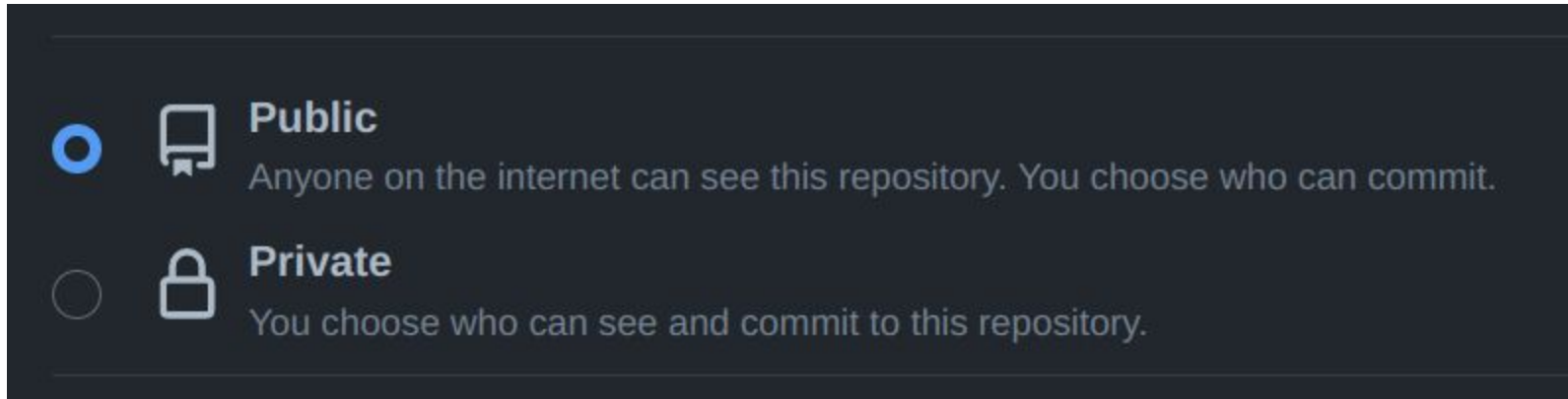
Owner *	Repository name *
 RPAGSO ▾	<input type="text" value="AHHH.github.io"/>
	✓ AHHH.github.io is available.

Great repository names are short and memorable. Need inspiration? How about **verbose-fiesta** ?

Description (optional)

SETTING UP THE REPOSITORY ON GITHUB

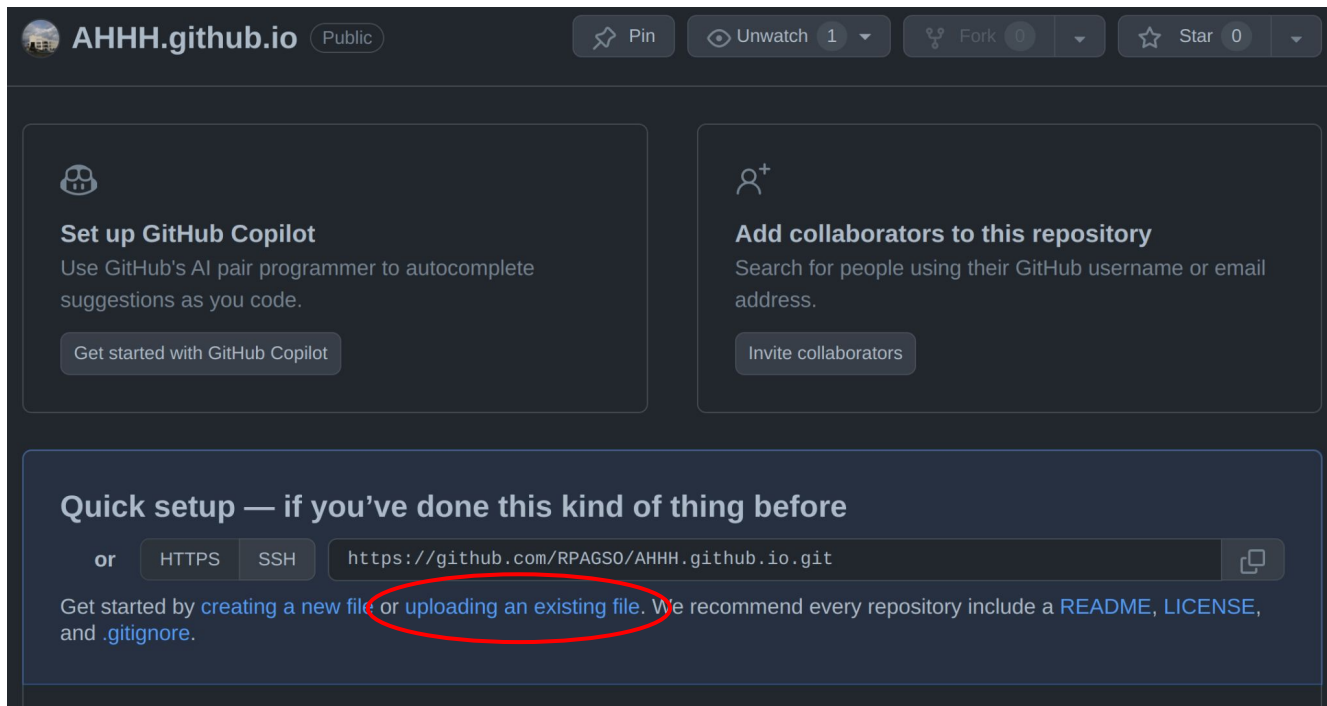
ONCE PUBLISHED, ALL GITHUB PAGES ARE PUBLIC,
regardless of whether the repository itself (with all the .html files) is
public/private!!!



When you're done setting up, hit:

A green rectangular button with rounded corners and the text 'Create repository' in white.

SETTING UP THE REPOSITORY ON GITHUB



We will upload the downloaded HTML5 template!

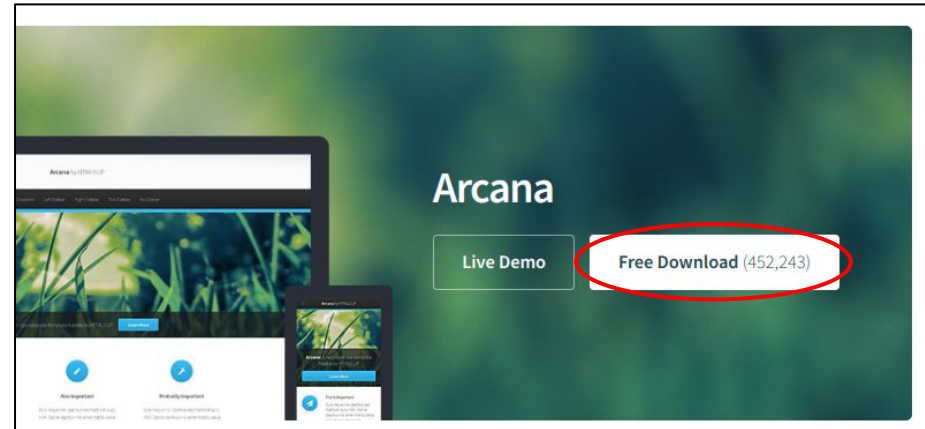
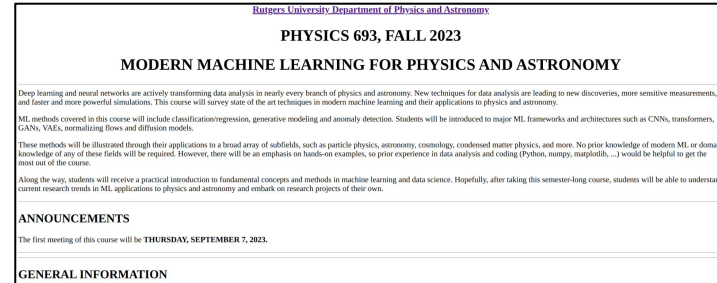


PICKING YOUR THEME

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 Chuck Keeton, 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

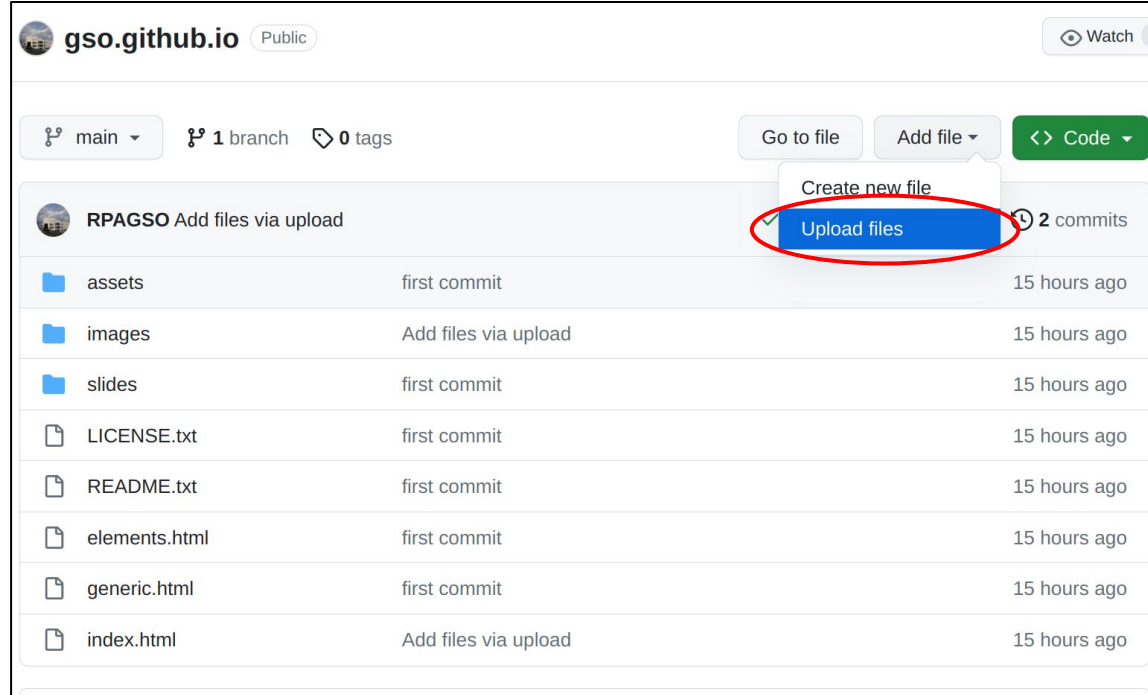
Maybe the first thing on your page OR in your "About Me" section

```
<div id="main">  
...  
  
...  
<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.

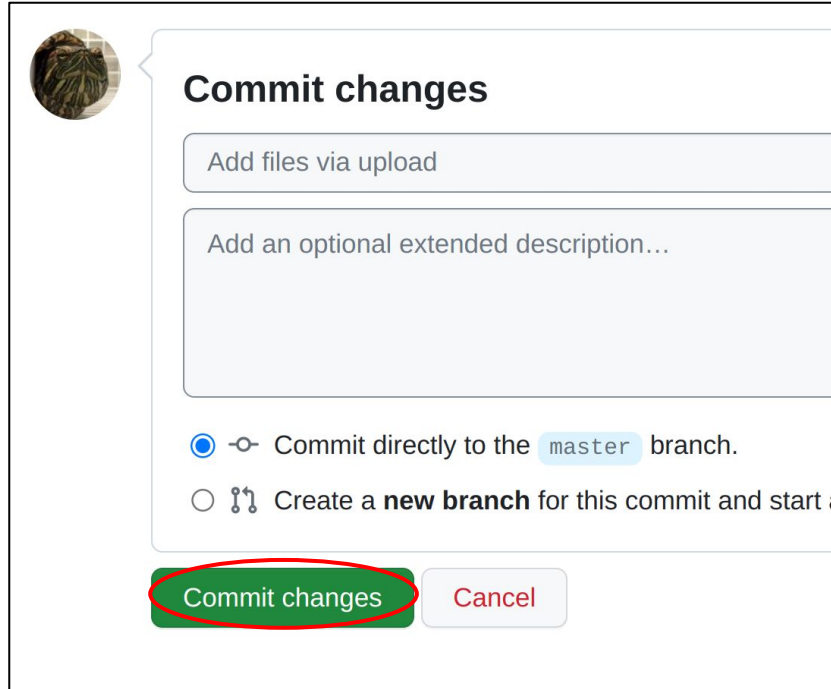
UPLOAD ALL OF YOUR FILES (i.e. INDEX.HTML) TO GITHUB



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 a new pull request

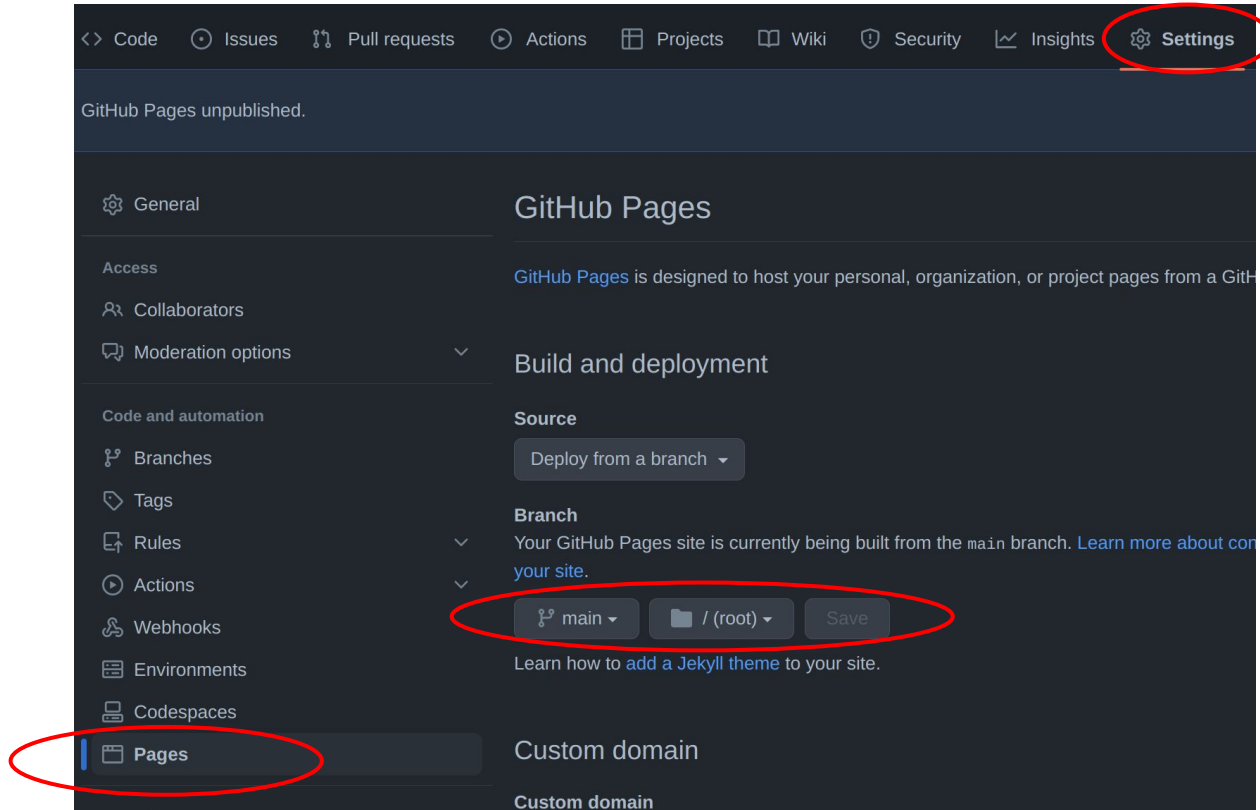
Commit changes Cancel

← 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

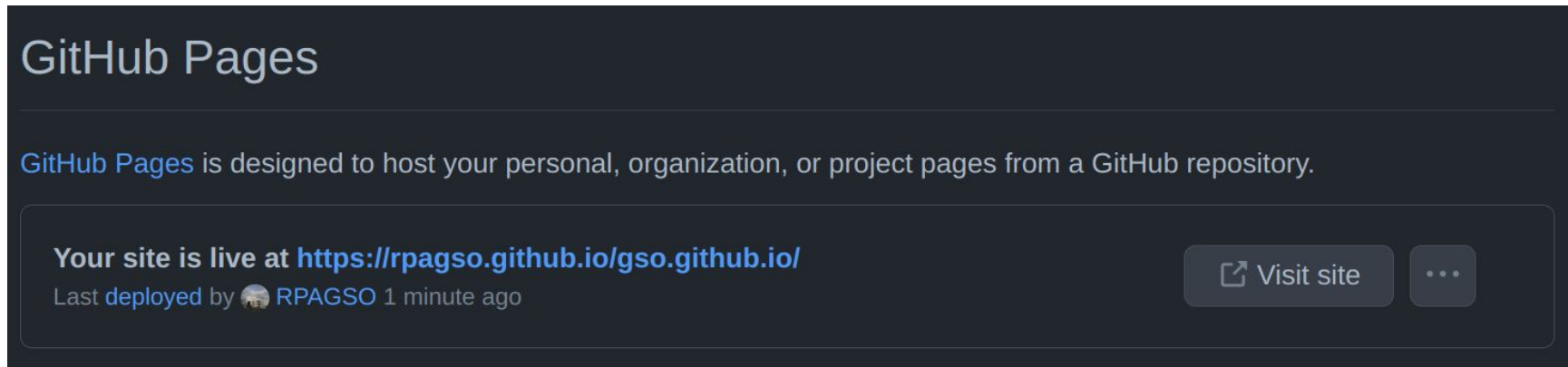
 Visit site

...



PUBLISHING YOUR SITE

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



As you keep editing your index.html file
open the html in a browser to see your changes, and
upload the files to GitHub again to update your website.



GETTING YOUR WEBSITE AS A GOOGLE RESULT

Webcrawlers will eventually find your GitHub page and make it a result, so it may take some time.

Linking your website from somewhere else will help it pop up

- We can link our websites from the **Rutgers Physics site** (if you want this, send us your URL over Slack and we can make a bulk request for IT ?)



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

