Hugo Static Site Generator

There are plenty of static site generators out there: Hugo, Jekyll, Ghost, Gatsby, are just a few popular ones. I've grown to like Hugo as I've found it's speed to be unmatched. To get started, simply follow their [installation docs](#)! I'll summarize shortly how I did it below:

Installation

To install hugo from the source with a packet manager, run the following command in your terminal or CMD prompt window:

```
winget install Hugo.Hugo.Extended
```

To use Hugo and all of its functionality, you'll also need to install [Git](#) and [Go](#) version 1.20 or higher. Configure your global username and email for Git, and you should be all set.

Github

For version control, I've created 2 Repositories in Github, as I use Github pages for deploymen:

- githubhusername.github.io
  - This will be my static repository where all of my html files will be uploaded to and will be used for deployment workflows. This is a public repository.
- website
  - This is my "active" repository, where I'll store my hugo website. This is a private repository.

Create a Site

To create a site with Hugo, CD to where you want to store the site, in my case, I've cloned my "website" repository to my laptop. I changed directory into that cloned repository and ran the command:

```
hugo new site nameofsite
```

Theme Selection

There are hundred of prebuilt themes to use, with endless customization. If you're familiar with HTML/CSS, you can customize a theme even further, as I did. Select a theme, then run the following command in your root directory of your website:

```
git submodule add https://githubrepolinkhere themes/theme-name

echo "theme = 'theme-name'" >> hugo.toml
```

Build & Deployment

By default running the "hugo" command will generate static files for your website and store them in a folder titled "Public" in your website directory. You'll want to add this as a github submodule to your public static repository. To do this, change directory to your website, and run the following command:

```
git submodule add -b https://githubrepolinkhere public
```

Now, you should be able to make edits and commit your changes to both repositories.

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