Making and hosting your personal website using Jekyll and Github Pages

Graham Northrup, CCB PhD Candidate October 13, 2021 Introduction to Jekyll

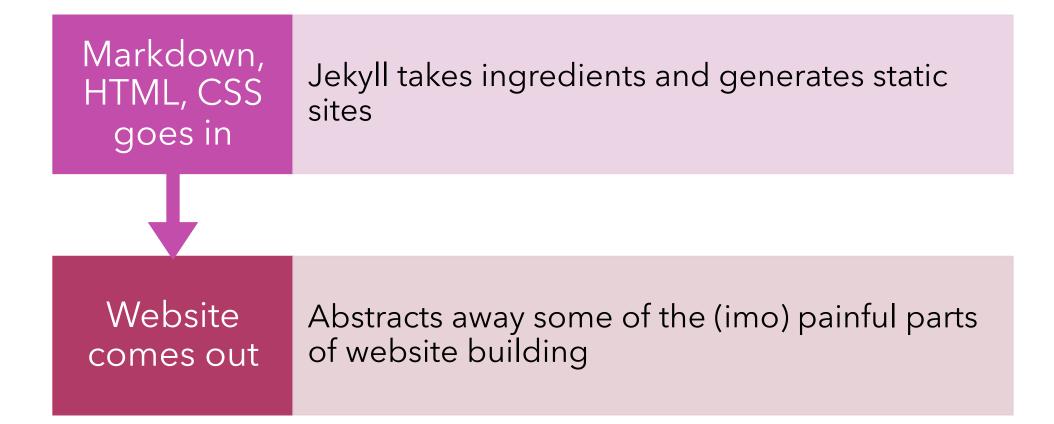
Outline and Goals

Using Github to host it (for free, with caveats)

Quick demo of Google Search Console

Goal: Generate the scaffold of a website you can use!

What is Jekyll



Getting Started

- + We need the following things
 - + Ruby & Ruby Gems (Jekyll is written in Ruby after all)
 - + Bundler (The cheat code for not getting stuck in dependency hell when using Ruby)
 - + Jekyll
- + \$ gem install Jekyll bundler
 - + Sometimes on mac, Jekyll installs funny make sure it gets where it needs to go by being specific
 - + gem install -n /usr/local/bin jekyll

Getting Started Cont.

+ Create an empty github repository named <username>.github.io

+ In the repository run

\$ jekyll new . --force (Jekyll doesn't like the readme being in there)\$ bundle exec jekyll serve

What have I just done exactly?

+ Jekyll spits out a whole host of files that do different things, that together make a basic website

Brand new Jekyll website contents

_config.yml

Gemfile

index.markdown

about.markdown

404.html

/_site and /_posts

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Let's add a new page

+ Remember your front matter

Serving images or files

+ It's good style to put them in a separate directory

Regarding Themes

- + The theme Jekyll gives you by default, minima, is a gem
- + There are many themes that are gems
 - + To include them, simply update the gemfile and the config file
 - + Remember to bundle install!
- + There are also sites where people share themes they haven't made into gems, so you can just fork their repo

Careful some themes ask you to specify a navigation header!

How do I get this on the web?

- + First push all your local changes if you haven't
- + Once your built site lands on github, simply make sure the pages setting is on so github knows to publish it

Can I borrow the website you worked on today?

+ Yes! I put an example at gnorthrup.github.io/CCBSkillsExample

SEO

+ Google Search Console

Thank you!

Happy to take questions if there is time!