

# **Making and hosting your personal website using Jekyll and Github Pages**

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# **Outline and Goals**

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Introduction to Jekyll

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

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Quick demo of Google Search Console

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

# What is Jekyll

Markdown,  
HTML, CSS  
goes in

Jekyll takes ingredients and generates static sites



Website  
comes out

Abstracts away some of the (imo) painful parts of website building

# 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`

# Brand new Jekyll website contents

\_config.yml

**Gemfile**

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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](https://gnorthrup.github.io/CCBSkillsExample)

# SEO

+ Google Search Console



# **Thank you!**

Happy to take questions if there is time!