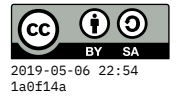


Static site generation



- Most of the time, we can write content for our site in a simpler format than HTML+CSS.
- Then we could convert that format to HTML, and surround it with a **template**.
- Example: if site is a food blog. There may be 3 types of pages:
 1. Recipe page (instructions, pics)
 2. Travelogue page (location, pics)
 3. About page (text)
- Create HTML templates for those 3 types of pages,
- Write most of the content in **Markdown** format.
- Run a tool to convert markdown into HTML and embed in the template.
- Good technique for consistency, simplicity.

There are many tools that do this. Here are a few:

- Jekyll¹ – the tool used by GitHub Pages².
- Hugo³
- Hexo⁴
- pandoc⁵ (installed in the VM) is a universal document converter that can be used for Markdown → HTML.

See gitlab.liu.edu/cs120s19/cs120pub/tree/master/markdown⁶ for an example that uses pandoc and a Makefile. From the `markdown` folder, you would run `make` to update the HTML files as needed, or `make -B` if you want to force everything to rebuild.



¹jekyllrb.com/



²pages.github.com/



³gohugo.io/



⁴hexo.io/



⁵pandoc.org/



⁶gitlab.liu.edu/cs120s19/cs120pub/tree/master/markdown