



WEB FUNDAMENTALS & INTRO TO WEB SCRAPING

Starting...



Google

Google Search

I'm Feeling Lucky

Google offered in: [中文（繁體）](#) [中文\(简体\)](#)

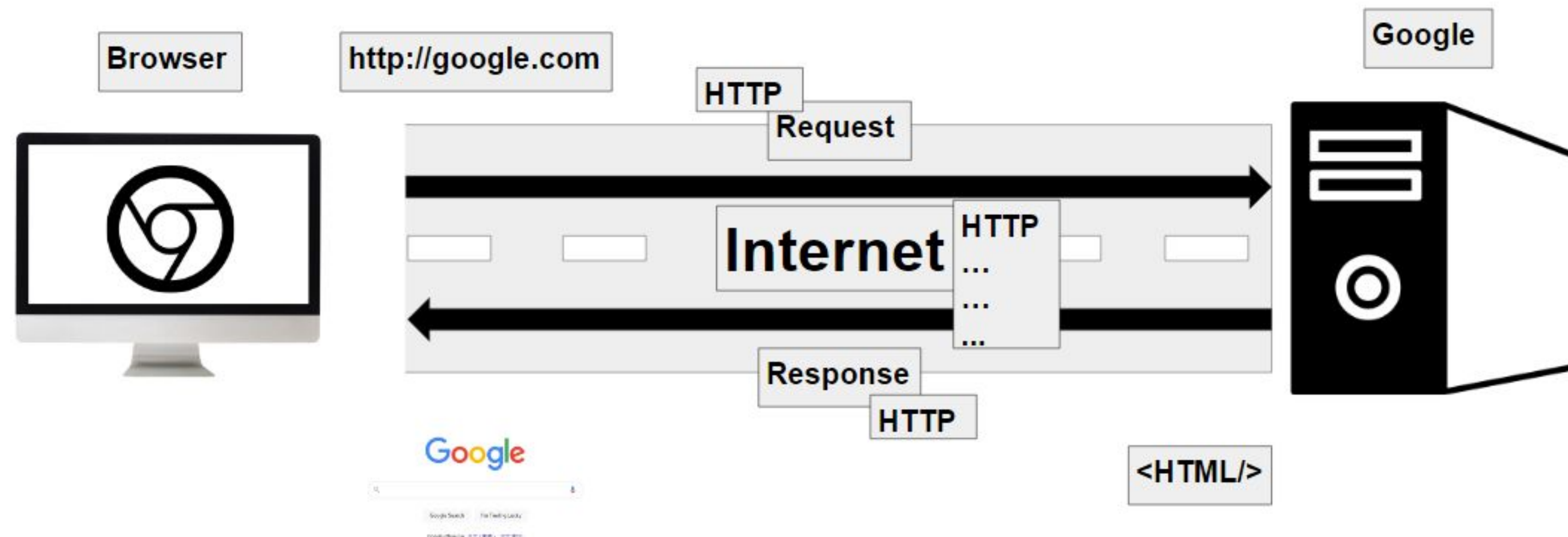


HTML, CSS AND JAVASCRIPT

HTML



- **Hyper Text Markup Language**
- **Markup**: used to define and describe the content displayed in a document
- HTML: defines and describes content displayed in a webpage
- Markup Language \neq Programming Language



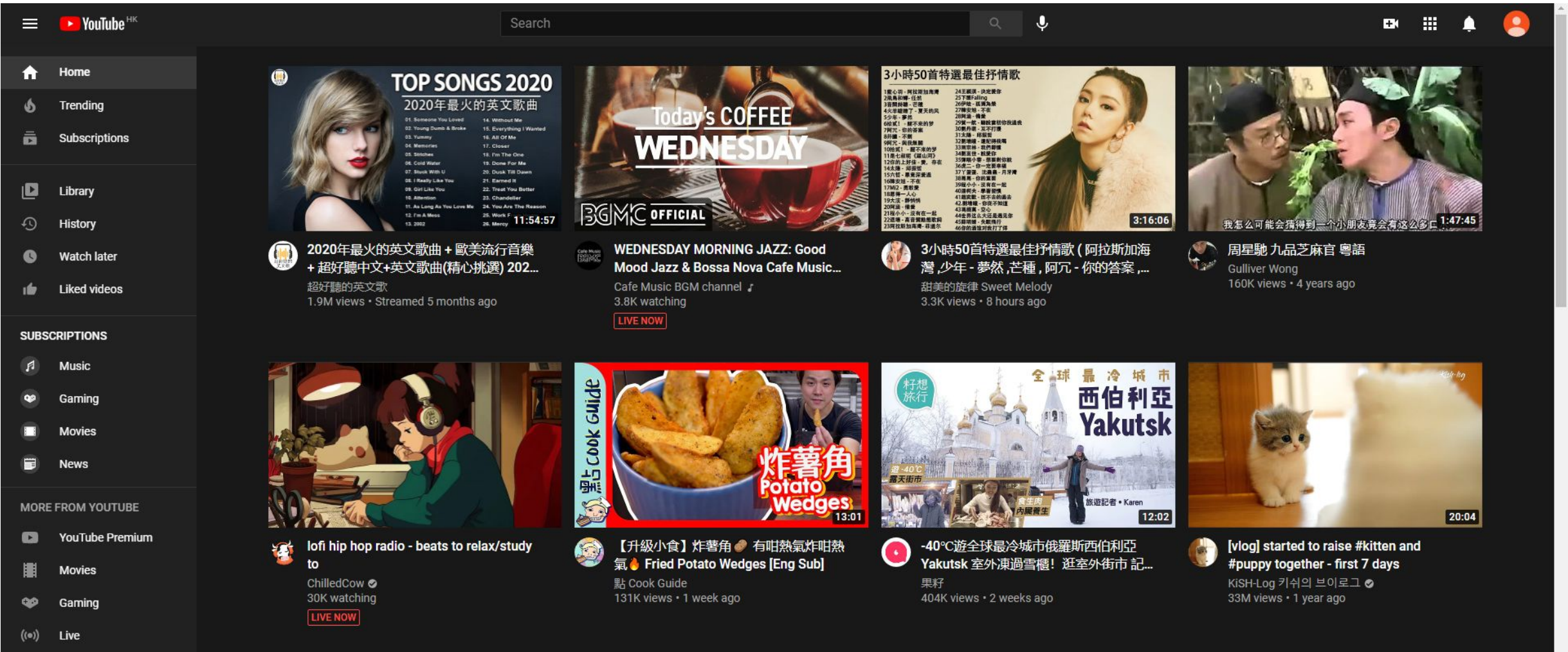


HTML IMPLEMENTATION

CSS



- Cascading Style Sheets
- Markup language used to help design an HTML document



with CSS



without CSS



CSS IMPLEMENTATION



JavaScript

- The scripting language of the web
- Implements logic in a webpage
- Allows web pages to be more interactive through scripting



Mentorship

Say Hello

Designer, Front-end Developer & Mentor

I design and code beautifully simple things, and I love what I do.



<https://mattfarley.ca/>



<https://bruno-simon.com/>



WEB SCRAPING



What is web scraping?

- Extracting data from websites automatically
- **Steps**
 1. **Request** the webpage.
 2. **Get** the HTML data of the webpage.
 3. **Parse** the data so it can be manipulated.
 4. **Store** and use the required data.





Beautiful Soup

- Python library for extracting data from HTML files
- Requires a “requests” library to do full web scraping
 - requests
 - urllib2 (alternative library)





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