

Hello!



# Intro to Coding-HTML & CSS



# Natalie Huitson

Associate Front End Developer

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- I attended GA in 2016 after changing careers from a writer to a developer.
- I now work at ASOS which has been the best decision of my working life.
- Advocate for Mums in tech and to bring more women into tech

# Who are GA?

We empower people to pursue work they **love** through education in business, coding, data, and design.



Intro to Coding



# What Is Web Development, Anyway?



# Is It Magic?



# It's Actually More Like...

Editing text files  
(coding/programming)



“I am making the internet!”

Fixing problems  
(crying)



“Oh no, I broke it again.”

# Web Development, Defined

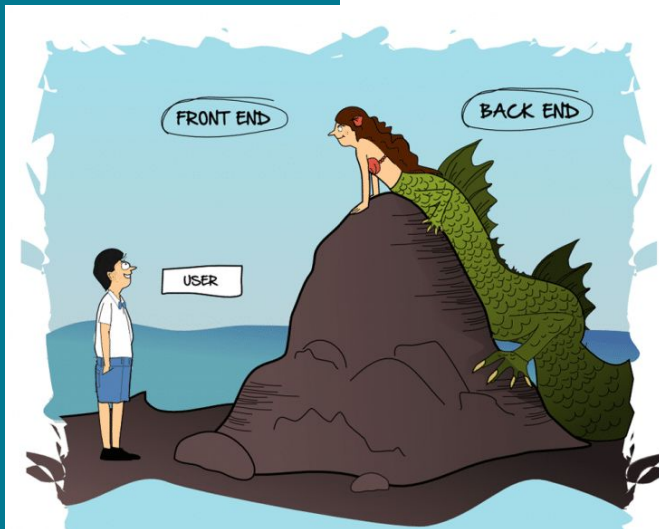
**Web development** is the creation and management of both websites and web-based applications.



# The Front-End

(The look and feel)

Everything that users visually see in their web browser or application.



# The Back-End

(How it works)

Everything that communicates between the database and the web browser.





# The Front-End Comprises...

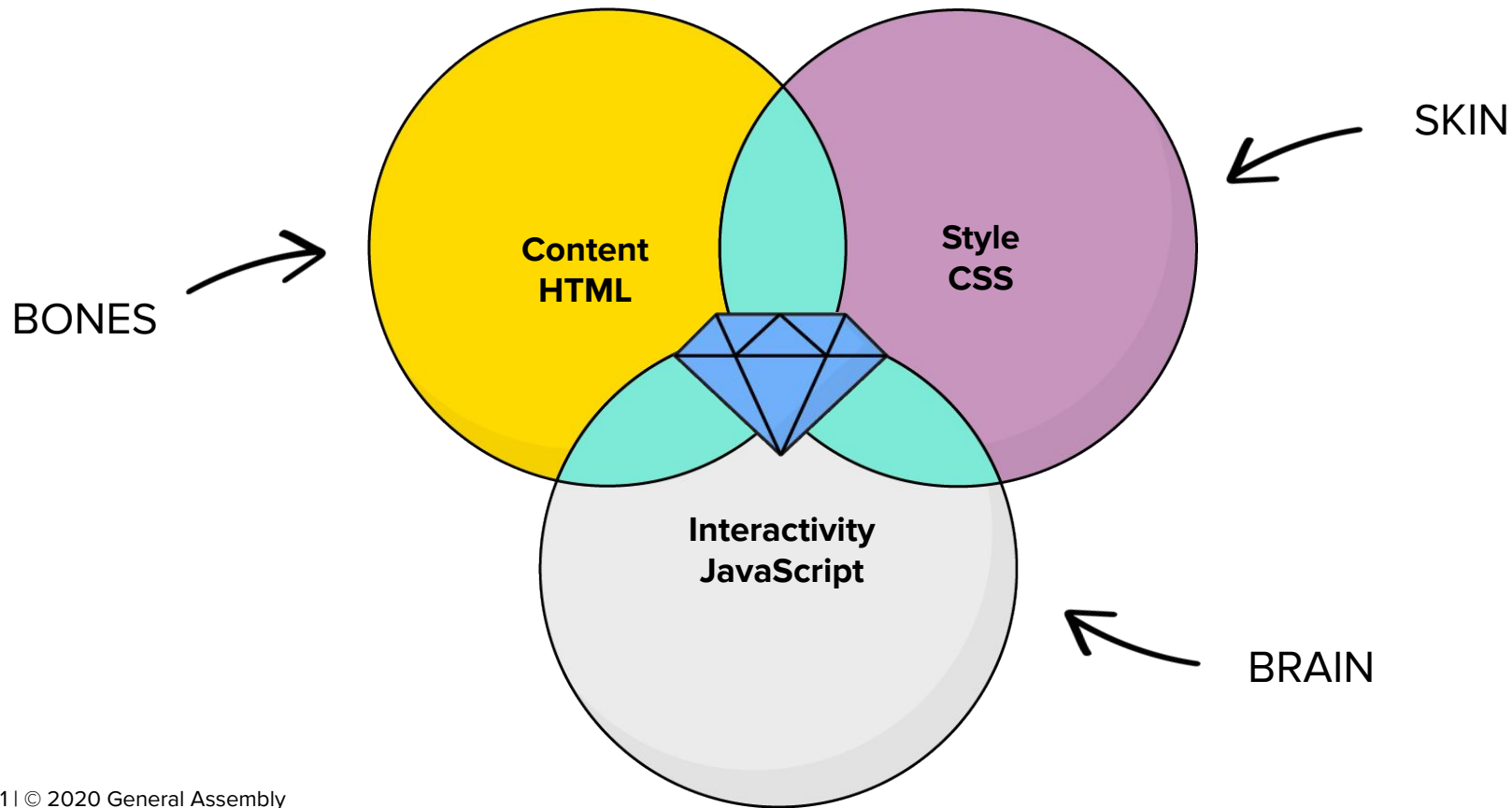
HTML

CSS

JavaScript



# The Front-End Trio



Intro to Coding



# HTML: A Closer Look



# What Is HTML?



# What Is HTML? (Cont.)



# What Is HTML? (Cont.)



# What Is HTML? (Cont.)

SECTIONS

SEARCH

U.S. INTERNATIONAL 中文

LOG IN

The New York Times

Today's Paper Video 36°F Dow -1.80%

### New York City Police Sharply Cut Arrests for a Second Week

By J. DAVID GOODMAN and AL BAKER 53 minutes ago

Police officers arrested less than half as many people and wrote more than 90 percent fewer summonses than in the same period a year ago, building on a drastic drop in activity that began shortly after the murder of two uniformed patrol officers.

108 Comments

### Republicans Say They'll Act Fast to Push Their Agenda

By CARL HULSE

Eager to show that it can govern well, the Republican Party that takes control of Congress beginning Tuesday is likely to begin by trying to quickly advance energy and health care legislation.

830 Comments



Fred R. Conrad/The New York Times

### Bess Myerson, a Beauty Queen Who Reigned in Politics, Dies

Ms. Myerson, the first Jewish Miss America, was one of a select group of American figures to parlay pop culture celebrity into positions of public influence. She was 90.

By ENID NEMY and WILLIAM McDONALD

### Afghan Cares for the Living by Carrying the Dead

By AZAM AHMED 12:07 PM ET

Malik Abdul Hakim, who has lost two sons, is revered for collecting and returning the bodies of both Taliban and government casualties.



### Home Schooling: More Pupils, Less Regulation

### The Opinion Pages

#### When Skepticism Counts

Novelist David Baldacci and others on the role of conspiracy theories in society.



#### The Central Crisis in New York Education

By THE EDITORIAL BOARD

New York, which regards itself as a bastion of liberalism, has the most racially and economically segregated schools in the nation.

### Watching

now A judge in Wisconsin **ordered a trial for Dustin Diamond**, best known as Screech from "Saved by the Bell," on charges stemming from a bar fight on Christmas night.

Milwaukee Journal Sentinel >



22m **Markets tumbled in Europe and the U.S.** as the declining price of oil sent ripples around the world.

The New York Times

25m **Gov. Jerry Brown**, already California's longest-serving governor, will be sworn in Monday for his fourth term. He has said he aims to shore up the state's fiscal turnaround.

The Los Angeles Times >





Intro to Coding

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**You don't have to  
memorise all HTML  
elements!**





**KEEP  
CALM  
JUST  
GOOGLE  
IT**

# HTML: Hypertext Markup Language

- HTML is made up of tags.
- Tags tell the browser how to format content (e.g., will the content be formatted as an image or as a link?)

`<h1>Hello World!</h1>`

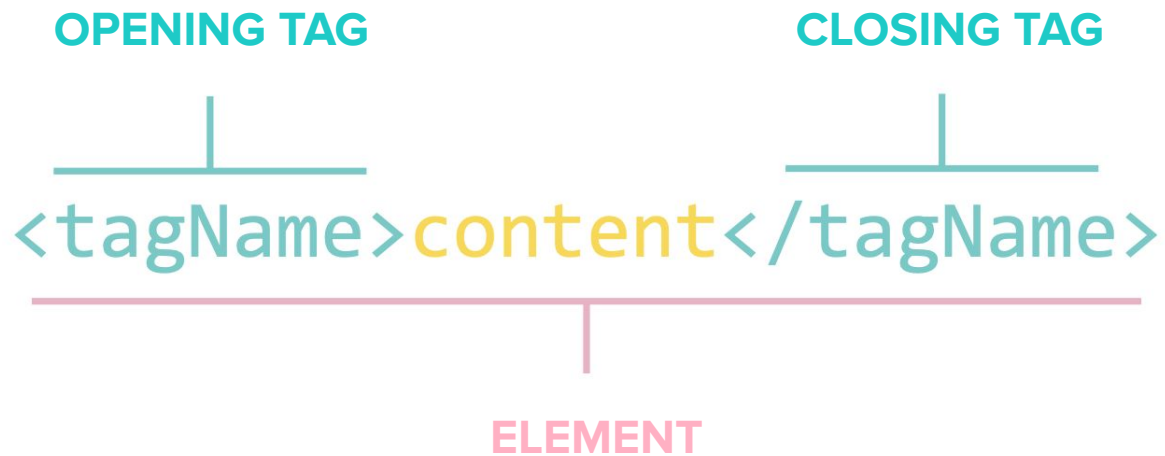


Hello World!



These are  
tags

# How Do I Write HTML?



# Headings and Paragraphs

ELEMENT	DESCRIPTION	EXAMPLE
h1	Main headings	<code>&lt;h1&gt;The Explorer&lt;/h1&gt;</code>
h2-h6	Subheadings	<code>&lt;h2&gt;Articles&lt;/h2&gt;</code>
p	Paragraph of text	<code>&lt;p&gt;This is a really cool site.&lt;/p&gt;</code>

# Lists

ELEMENT	DESCRIPTION	EXAMPLE
li	List item	<pre>&lt;ul&gt; &lt;li&gt;Monday&lt;/li&gt; &lt;li&gt;Tuesday&lt;/li&gt; &lt;li&gt;Wednesday&lt;/li&gt; &lt;/ul&gt;</pre>
ul	Unordered list	
ol	Ordered list	<pre>&lt;ol&gt; &lt;li&gt;Monday&lt;/li&gt; &lt;li&gt;Tuesday&lt;/li&gt; &lt;li&gt;Wednesday&lt;/li&gt; &lt;/ol&gt;</pre>

# — Anchors

ELEMENT	DESCRIPTION	EXAMPLE
a	Anchor	<code>&lt;a&gt;Amazon&lt;/a&gt;</code>

`<a>Amazon</a>`



**CLICKABLE TEXT**

## Attributes (Cont.)

**Attributes are additional information we add to an element.**

- They appear in the opening tag of the element.
- They are made up of two parts: a name and a value, separated by “=”.

`<a href="http://www.amazon.com">Amazon</a>`

**NAME**      **VALUE**

**HREF ATTRIBUTE**



## Attributes (Cont.)

### Image elements `<img>` also require attributes!

- This tells the browser what image should be rendered on the page.
- Alternate tags tell robots what is depicted in the image (you're not the only one reading what's in the browser!).

```

```

Diagram illustrating the components of the `<img>` tag:

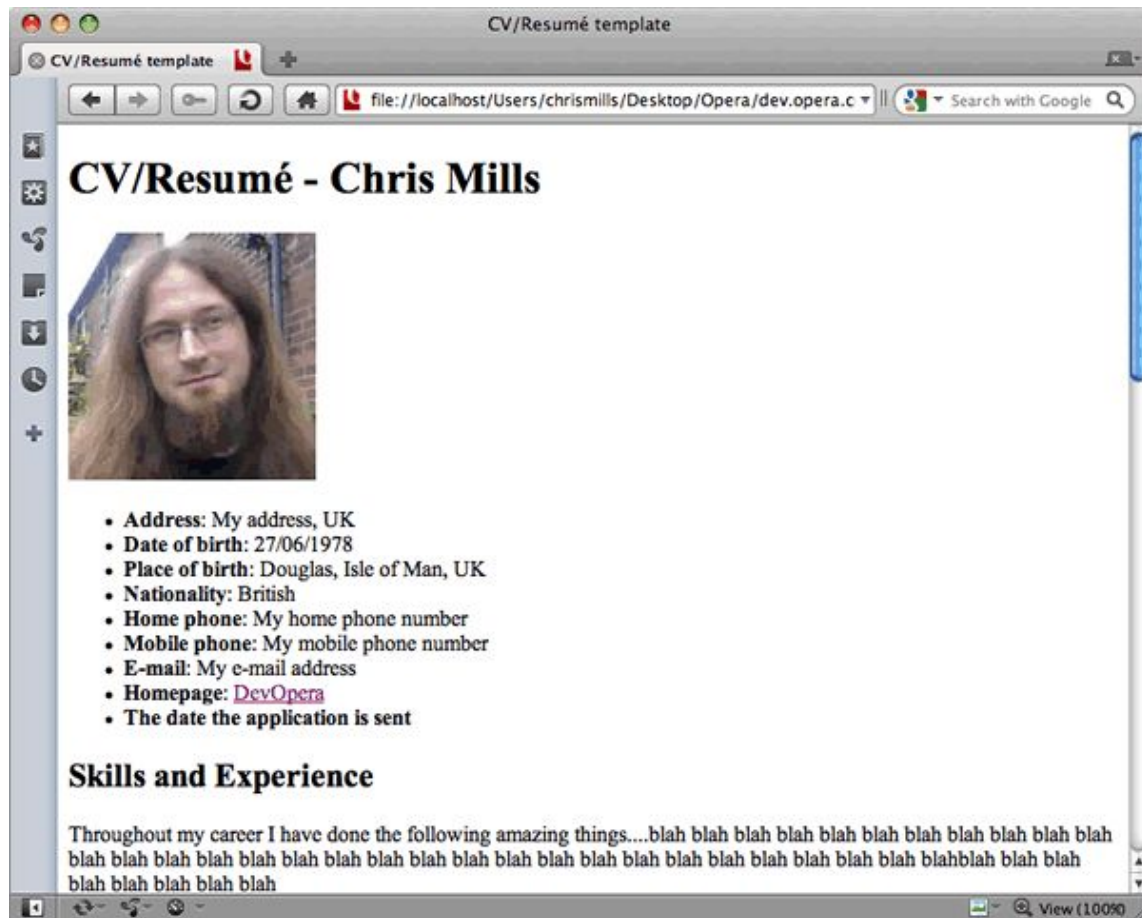
- NAME**: `<img`
- VALUE**: `src="https://placekitten.com/g/500/600"`
- ALTERNATE TAG**: `alt="Kitten">`
- IMG ATTRIBUTE**: The entire tag structure.

Intro to Coding



# CSS: A Closer Look





# Let's Add Some Style



HTML

CSS

**This is what's on the page:**

`<p>Welcome!</p>`

**HTML**

**Ah, I see.**

Welcome!

**Browser**

**But make it FASHION!**

```
p {  
  color: red;  
  text-align: center;  
}
```

**CSS**

# What Is CSS?

**SELECTOR**  
(what we are styling)

→ `p {`  
`color: blue;`  
`font-size: 20px;`  
`font-style: italic;`  
`}`

**DECLARATION  
BLOCK**  
(our styles!)

# Color

PROPERTY	VALUE	DESCRIPTION	EXAMPLE
color	color	Text color	color: #22475E;
background-color	color	Background color	background-color: green;

## Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher mixtape jean shorts XOXO master cleanse keytar **Kickstarter**. Neutra kale chips Vice health goth ethical, flannel single-origin coffee stumptown meditation Kickstarter mumblecore yr cronut master cleanse keytar.

```
body {  
  background-color: #22475E;  
}
```

## Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher mixtape jean shorts XOXO master cleanse keytar **Kickstarter**. Neutra kale chips Vice health goth ethical, flannel single-origin coffee stumptown meditation Kickstarter mumblecore yr cronut master cleanse keytar.

```
h1, p {  
  color: #98D2BF;  
}
```

# Typeface

PROPERTY	VALUES	EXAMPLE
text-align	left, center, right,	text-align: center;
text-transform	uppercase, lowercase, capitalize	text-transform: uppercase;
text-decoration	none, underline	text-decoration: underline;
letter-spacing	px value	letter-spacing: 1px;
font-weight	normal, bold	font-weight: bold;
font-style	regular, italic	font-style: italic;
font-size	px value	font-size: 20px;



# Fonts

PROPERTY	VALUES	EXAMPLE
font-family	"Font-family", sans serif, serif	font-family: "Georgia", serif;

Arial   Georgia

 Search fonts

Sentence ▼

Type something

40px ▼



Categories ▼

Language ▼

Font Properties ▼

Viewing 977 of 977 font families

Sort by: Trending now ▼

Roboto

Christian Robertson (12 styles)



All their equipment and  
instruments are alive.

Gelasio

Eben Sorkin (8 styles)



A red flare silhouetted the  
jagged edge of a wing.

Public Sans

Multiple Designers (18 styles)



I watched the storm so

Open Sans

Steve Matteson (10 styles)



Almost before we knew it



## Just one more thing....

- Being a developer is 90% looking up how to fix broken code and 10% actual coding.
- It's not about knowing everything; it's being able to find the answers (i.e., doing a really good Google search).
- Resources include:
  - Mozilla Developer Network
  - W3Schools
  - CSS Tricks



thepracticaldev

...

DEV

“If you give someone a program, you will frustrate them for a day;  
If you teach them how to program, you will frustrate them for a lifetime.”

David Leinweber

Intro to HTML & CSS

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# Next Steps



# Which Developer Role Is Right for Me?

Type	What They Do	Languages	Good For
<b>Front-End Developer</b>	Make websites and applications functional and delightful for users.	JavaScript, HTML, CSS	Creatives, UX lovers, anyone who wants to make a website
<b>Back-End Developer</b>	Make the FE a reality and ensure websites and applications work well.	PHP, Java, Ruby, Python, SQL	Organizers, dependable types, people who like getting under the hood
<b>Full-Stack Developer</b>	Works on both the FE and BE; a great fit for startups.	JavaScript, HTML, CSS, PHP, Java, Ruby, Python, SQL	Whole-picture thinkers, startup fans

# Coding at GA

**Part-Time Courses:**  
Front-End Web Development  
Python  
JavaScript  
React



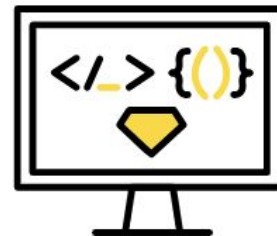
Part time  
Instructor led  
On campus or online

**Online, Self-Led Courses:**  
JavaScript Circuit  
HTML, CSS, & Web  
Design Circuit



Part time  
Self led  
Online

**Immersive Courses:**  
Software Engineering Immersive



Full or part time  
Instructor led  
On campus or online

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# Q&A

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