

Javascript

CS50 for MBAs

I'm Patrick Pan
patrick@patrickpan.com

Sophomore at Harvard College
CS, Mind-Brain-Behavior, Russian
Took CS50 in 2014
TFed CS50 last fall

Why Javascript?

Javascript

- Used in every nonstatic website in the world
- Most commonly used language in the world
<https://arc.applause.com/2016/03/22/javascript-is-the-worlds-dominant-programming-language/>
- Able to build websites, mobile apps, server back-ends

Syntax

```
// this is a comment  
var x = 5;  
var y = 3;  
var z = "cat";  
console.log(x + y); // 8  
console.log(x + z); // "5cat"  
  
function timesTwo(x) {  
    return 2 * x;  
}
```

DOM Manipulation

```
<div id="main"> <div>Hello</div> </div>
```

```
var main = document.getElementById("main")
main.innerHTML // <div>Hello</div>
main.innerHTML = main.innerHTML + "<div>World</div>"
```

```
<div id="main"> <div>Hello</div> <div>World</div></div>
```

<http://patrickpan.com/cs50hbs/javascript-seminar>