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The Unofficial Second Hand History of Swift

Swift (whoosh)

But where do Swift's
ideas come from?

Rust, ML, C++,
Objective-C, C#, Java,
Ruby, Scala, Perl,
Everything ever



*Actual f*cking closure syntax*

Powerful enums

Better switch cases

String templating

Operator overloading

Generics!

Playgrounds

Swift

Tuples

Optionals

Type inference

let and var

Range literals

unicode variables 🐶🐮

type safe... er

Type Inference (ML)

```
//Objective-C  
UICatGIF *GIF = [[UICatGIF alloc] initWithLols:"lol"];
```

```
//Swift  
let GIF = UICatGIF(lols: "lol")
```


String Templating (Perl)

```
let x = 2
```

```
NSString *message = [NSString stringWithFormat:@"I  
want %i cat gifs, please.", 2*x];
```

```
//I want 4 cat gifs, please. (Though in truth more)
```

```
let x = 2
```

```
let message = "I want \$(x*2) cat gifs, please."
```

```
//I want 4 cat gifs, please. (Though in truth more)
```

Optionals (Scala)

```
var me: String = "Joe"  
me = nil //Compile-time error
```

```
let p : Person = Person(name: "Joe")  
  
if let unwrappedName = p.name {  
  var greeting = "Hello " + unwrappedName  
} else {  
  var greeting = "Hello stranger"  
}
```

That was my very
colorful talk. Hope you
liked it.

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