

MY ADVENTURES IN OBJECTIVE-C

@abdeis

Objective-C sucks!

Its just as crappy as Java!

I'm waiting for MacRuby!

OH NO!!

still no iOS support, Boll@aks!

Objective-C Haters!

Solutions

PhoneGap

Titanium Appcelerator

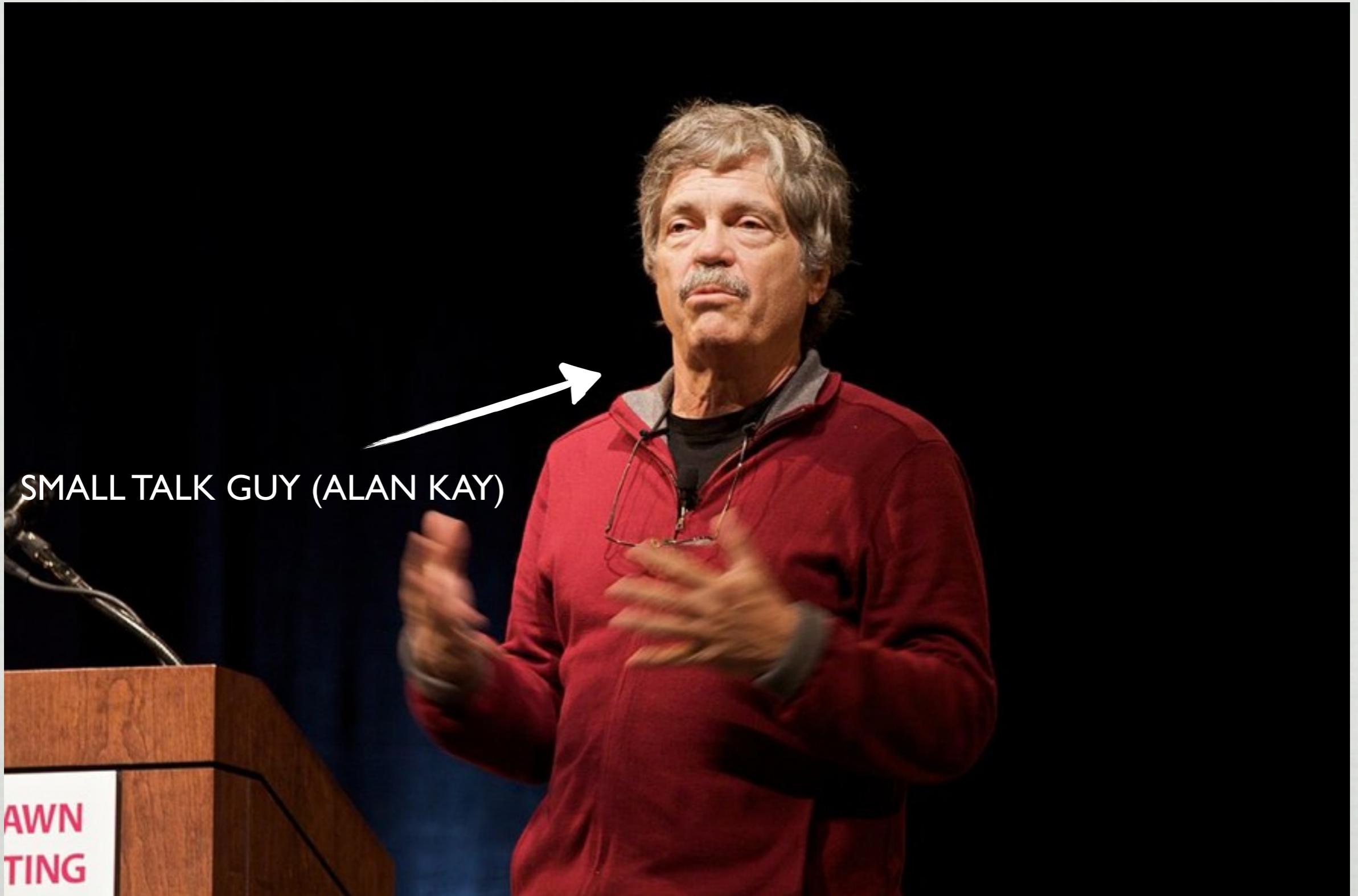
But really, why all the hating?



That's pride f***king with you. F***k pride.
Pride only hurts. It never helps. You fight
through that sh*t!

**DON'T
PANIC**

So, here's what I Learnt,



AWN
TING

Objective-C, is reflective, OO,
Smalltalk-ish!

Sound a lot like Ruby

Unlike Ruby,
Objective-C is a strict superset of C

Object Message passing :

Obj-C

```
[world say:@"hello"];
```

Ruby

```
world.say("hello")
```

Object Message passing :

Obj-C

[world say:@"hello"];

[world performSelector:@selector(say:) withObject:@"hello"]

objc_sendMsg(id object, SEL selector)

Object Message passing :

Ruby

```
world.send(:say, "hello")
```

Non-strict typing (Duck Typing?)

Obj-C

```
id world = [[World alloc] init];
```

```
[world peace];
```

Here 'id' is a pointer to any object.

Non-strict typing (Duck Typing?)

Obj-C

```
World *world = [[World alloc] init];
```

```
[world peace];
```

This ensures method compiler checks!

Object declaration

Obj-C

```
MyClass * myObject = [[MyClass alloc] init];
```

Ruby (pseudo code)

```
class Object
  def self.new(*args)
    self.allocate.initialize(*args)
  end
end
```

Interface/Implementation (the C thing)

world.h (header file)

```
#import <UIKit/UIKit.h>
```

```
@interface World : NSObject {
```

```
    NSString *foo;
```

```
}
```

```
@property (copy, retain) NSString *foo;
```

```
-(NSString *) say:(NSString *)something;
```

```
@end
```

Interface/Implementation (the C thing)

world.m (implementation file)

```
#import "world.h"
```

```
@implementation World
```

```
@synthesize foo;
```

```
-(NSString *) say:(NSString *)something{}
```

```
- (void) dealloc {  
    [foo release];  
    [super dealloc];  
}  
@end
```

Properties aka attr_accessor

```
@interface World : NSObject {  
    NSString *foo;  
    ...  
    @property (copy, retain) NSString *foo;  
    ...  
@end
```

```
@implementation World  
@synthesize foo;  
...  
@end
```

Properties aka attr_accessor

@synthesize: creates dynamic setters and getters and performs the necessary memory allocation.

```
- (void)setFoo:(Foo *)s {  
    if(foo != s) {  
        [foo release];  
        foo = [s retain];  
    }  
}  
  
-(Foo *)foo { return foo; }
```

Interfaces with Protocols

```
@protocol Shopper
- (void)recession;
- (void)boom;
@end
```

```
@interface World : NSObject <Shopper>
@end
```

Monkey Patching with Categories

UIImage+RoundedCorner.h

```
@interface UIImage (RoundedCorner)
- (UIImage *)roundedCornerImage;
@end
```

UIImage+RoundedCorner.m

```
@implementation UIImage
(RoundedCorner)
- (UIImage *)roundedCornerImage {
    //Make rounded corners
}
@end
```

We Have Blocks!

```
NSArray *films = [NSArray arrayWithObjects:@"Reservoir  
Dogs", @"Pulp Fiction", @"Kill Bill", nil];
```

```
[films enumerateObjectsUsingBlock:^(id object, NSUInteger  
index, BOOL *stop) {  
    NSLog(@"%@", film at index %d", object, index);  
}];
```

We Have Blocks!

```
int (^negative)(int) = ^(int number) {  
    return number * -1;  
};
```

```
int result = negative(2);
```

Basics over

You panicked, but don't

iOS is a powerful platform that
controls phones

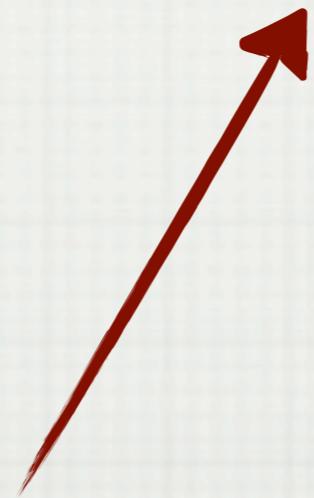
Your brain & eyes hurting is a small
price to pay for the privelage :P

REFERENCES

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SIGN UP :)



THE SUPER OWL

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@abdelS

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