

WWDC

World Wide Developer Conference

a.k.a.

Dub Dub

why me?





Started mobile coding on the original iPhone

- iPhone in 2007.
- No official SDK.
- Objective-C.
- Manual memory management retain/
release.





MUSE

Inbank

PERSONALIZZA LA HOME A TUO PIACIMENTO

CONSULTA I MOVIMENTI E RICERCA NELLO STORICO

BONIFICO BANCARIO
Nuovo Bonifico >
★ Affitto garage >

RICARICA TELEFONICA
Nuova ricarica >
★ Ricarica 50 € >

CARTA PREPAGATA
Nuova ricarica >

BOLLETTINO
Nuovo bollettino >
Scansiona codice >

CONFIGURA REGOLE DI NOTIFICA PERSONALIZZATE

Messaggi

- Notifiche JIFFY 09/10/2012 >
NOTIFICA Jiffy LUCA VERDI cena tra amici
- Conto in rosso 08/10/2012 >
NOTIFICA Pagamento tramite POS DEL 29/06/2016 18.07 PRESSO MEDIAWORLD - TRENTO
- Bonifico 06/05/2012 >
NOTIFICA Accredito stipendio Ord. Mario Rossi spa accredito stipendio ottobre 2016
- Tutti in entrata 02/03/2012 >
NOTIFICA Ordinante: LUCA VERDI Causale: Bonifico a Vs favore Data ordine: 10102016
- Bonifico 02/03/2012 >
NOTIFICA Ordinante: LUCA VERDI Causale: Bonifico a Vs favore Data ordine: 10102016

iOS, Android

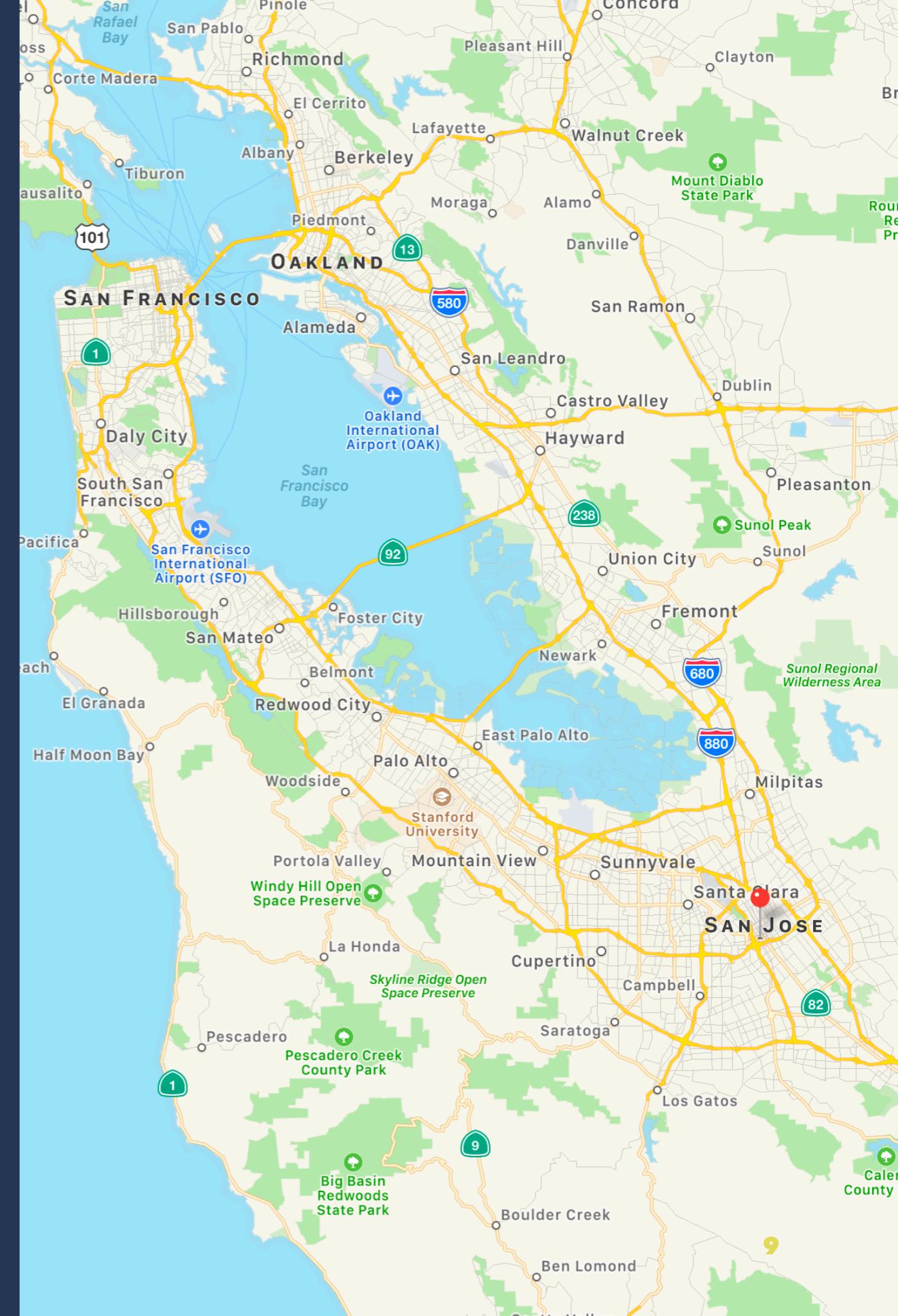


WWDC

San Jose



California





2002

Mac OS 9 funeral

The Schedule

- Special Events.
- Sessions.
- Labs.

3 ITA

[Filter](#)

[All](#)

Monday, 19:00 CET	Featured
WWDC 2017 Keynote 19:00–21:00 — Hall 3	Session 101
Monday 23:30	WWDC 2
Platforms State of the Union 05/06/2017, 23:30 – 06/06/2017, 01:00 — Hall 3	WWDC 2017 Key...
Tuesday 01:00	Monday 5 June, 1
Hands-On Area 01:00–04:00 — Grand Ballroom A	Hall 3
Tuesday 03:00	Watch
San Pedro Square 03:00–09:00 — San Pedro Square	Add to Calendar
Hands-On Area 01:00–04:00 — Grand Ballroom A	Mark as Watched
Tuesday 18:00	Leave Feedback
A Conversation with Michelle Obama and Lisa J... ★ 18:00–19:00 — Hall 3	Hall 3
Tuesday 19:00	S Almaden Blvd
Core Image Lab 19:00–21:00 — Technology Lab A	Lab
Source Control, Simulator, Testing, and Continuo... 19:00–21:00 — Technology Lab E	Lab
Game Center Lab 19:00–22:00 — Technology Lab F	Lab

[Videos](#)

[Schedule](#)

Keynote





panel with

Michelle Obama

Lisa Jackson





Shiny Frog di Matteo Rattotti e C. S.N.C.

Bear

The screenshot shows the Bear app interface on an iPad. The top status bar indicates it's an iPad with Wi-Fi, the time is 9:41 AM, and the battery is at 100%. The main screen is titled "NOTES". On the left, there's a sidebar with three items: "Welcome to Bear", "Organise and Publish", and "Bear Pro", each with a small thumbnail image. The central column displays a note titled "Welcome to Bear" with the following content:

H₁ Welcome to Bear

Bear is a beautiful, flexible writing app for notes and prose. It's easy to get started a...

H₂ Bear has three parts

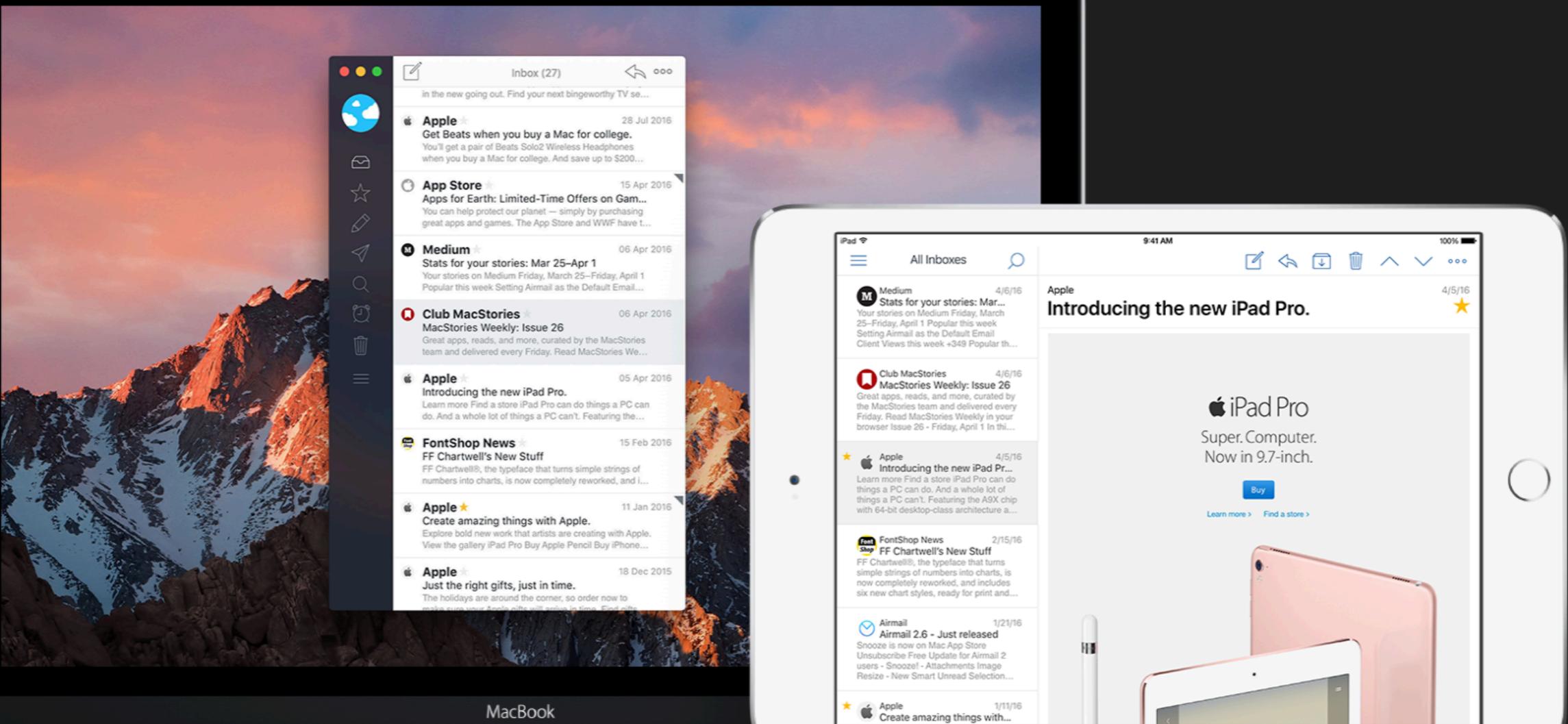
Bear has three main columns where you create, edit, and organise your notes:

- *Sidebar* (on the left): when you add tags anywhere in your notes, Bear will collect them in this sidebar. Think of them like folders you can create and use on the fly, while you write.
- *Notes List* (in the middle): all your notes live here, ordered by modification



Bloop

AirMail 3







WWDC17

Beer Bash



Networking



Executive Lunch Box



138
Sessions

Labs



A photograph of a diverse group of young people, mostly teenagers, smiling at the camera. In the center, Tim Cook, the CEO of Apple, is visible, wearing his signature glasses and a blue polo shirt. The background is dark, making the subjects stand out.

Scholarships

- 300 STEM¹ students and professors.
- Submit an original Swift Playground.
- 1499.00 € ticket.

¹ Science, Technology, Engineering and Mathematics

Contents

Welcome to

 **WWDC17**

San Jose, CA, June 5–9

ios

Birdview of everything announced:

[https://mackuba.eu/
2017/07/05/new-stuff-from-
wwdc-2017/](https://mackuba.eu/2017/07/05/new-stuff-from-wwdc-2017/)



Public iOS 11 beta



<https://beta.apple.com/>

Platform State of the Union



XCode 9

- New source editor.
- Mix and match Swift 3.2 and Swift 4.
- Increased build performances
- New build system.
- GitHub integration.
- Undefined Behavior Sanitizer and the Main Thread API Checker.
- Debug via WiFi or Ethernet.

Multiple Simulators



My Playgrounds



+

Edit



Get Playground

```
import Foundation
import PlaygroundSupport
import UIKit

PlaygroundPage.current.needsIndefiniteExecution = true
class ToggleController : UIViewController {
    let toggleToken =
        "3663fdef24cabbc46f9ce85448d7eb4a:a
        pi_token"
}
```

Time

```
import Foundation
import PlaygroundSupport
import UIKit

// This is a private Hockey Token:
// keep it private!
let hockeyToken =
    "37e4728a44184ac5a30677ab7cec@9ff"

// Prepare the live view user interface
let controller = UIViewController()

```

Release Hockey Apps

```
import UIKit
import PlaygroundSupport
import JavaScriptCore

PlaygroundPage.current.needsIndefiniteExecution = true

struct Test {
    var hello : Float
}
```

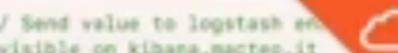
JavaScriptCore



Save File



Elasticsearch



```
// Send value to logstash endpoint visible on kibana.macteo.it

import UIKit
import PlaygroundSupport

PlaygroundPage.current.needsIndefiniteExecution = true

let configuration =
    URLSessionConfiguration.default

```

Logstash

```
import SpriteKit
import PlaygroundSupport

// Change these values to whatever you want. Only for Xcode (macOS). Changing these values in Swift Playgrounds (iPad) makes no difference.
let width = 480
let height = 540

// Set up containing view
let scene = SKScene(size: CGSize(width: width, height: height))

```

WWDC Crowd...imulator 2017

```
import AVKit
import UIKit
import PlaygroundSupport
PlaygroundPage.current.needsIndefiniteExecution = true

class SpeakController : UIViewController, AVSpeechSynthesizerDelegate {
    let synth =
        AVSpeechSynthesizer()
    var initialized = false
}
```



```
// Send value to elasticsearch endpoint visible on Kibana on macteo.it
```

```
import UIKit
import PlaygroundSupport

// TODO: do not share this password
let password =
    "6ZxU2MFu6PyuN5gbuxB1aMUbHDprkX=Lc
    uMAVwBLVvTt=6ryzA"

PlaygroundPage.current.needsIndefiniteExecution = true

```



Charts

Swift Playgrounds for iPad

```
import UIKit
import PlaygroundSupport
PlaygroundPage.current.needsIndefiniteExecution = true

class SearchController : UIViewController, UISearchBarDelegate {
    let searchBar =

```

```
import Foundation
import UIKit
import PlaygroundSupport
// This is needed to perform asynchronous requests
PlaygroundPage.current.needsIndefiniteExecution = true
```

```
import PlaygroundSupport
import Foundation
import UIKit

class ActionController : UIViewController, UIImagePickerControllerDelegate, UINavigationControllerDelegate {
    let picker =

```



30

Swift 4

It's open source and the evolution process is completely public.

<http://swift.org>

Great Swift Playground with all the new features:

[https://github.com/ole/
whats-new-in-swift-4](https://github.com/ole/whats-new-in-swift-4)





Camera, images and videos

- HEVC (H.265)
- HEIF
- Depth of field.

Metal 2

**Off-load more work from
the CPU**

- Metal Heaps.
- Metal Performance Shaders Library.
- Machine learning support.



VR

**Steam
Unreal
Unity**



GPU Development Kit

- Australia.
- Austria.
- Belgium.
- Canada.
- Denmark.
- Finland.
- France.
- Germany.
- Hong Kong.
- Ireland.
- 😊
- Japan.
- Luxembourg.
- Netherlands.
- New Zealand.
- Norway.
- Singapore.
- Spain.
- Sweden.
- Switzerland.
- United States.
- United Kingdom.



Core NFC

Ready to Scan



Hold iPhone near [Insert your usage
description]

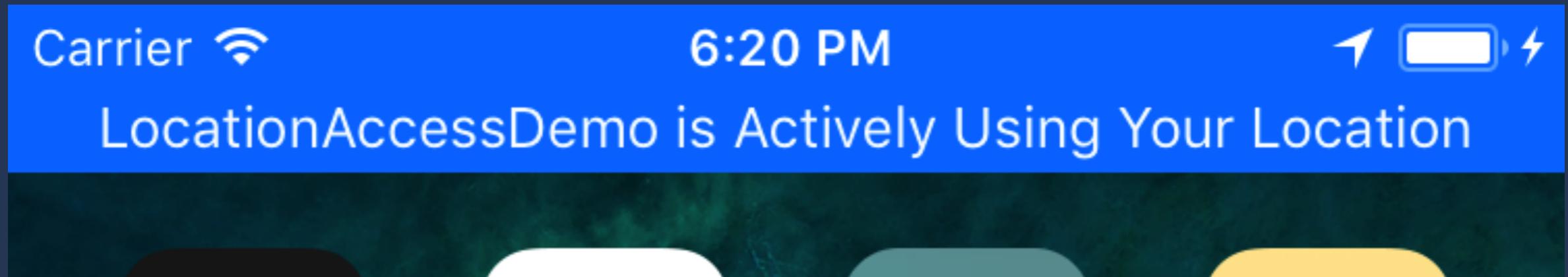
Cancel

Ready to Scan



Product Detected

Core Location and Privacy

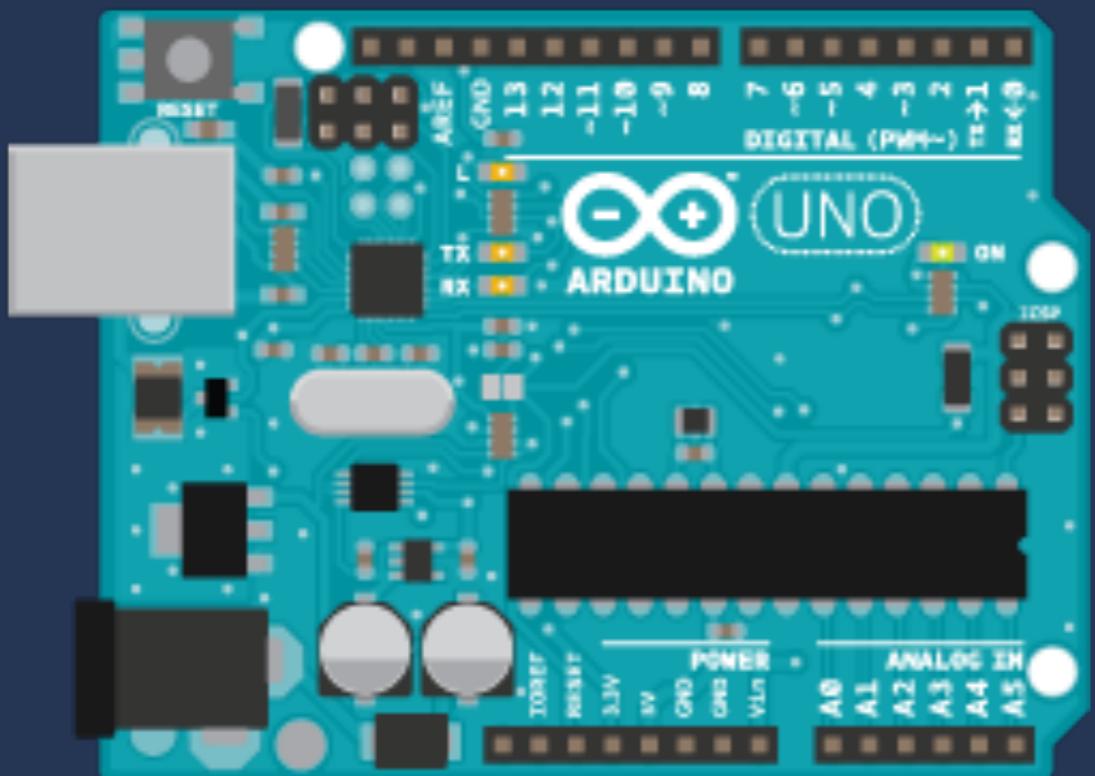


Policy change:

Every app obtaining user's location while on background will trigger the double blue bar.

HomeKit

For non commercial products the protocol is now open.



HomeKit



Edit



iCloud

Mac Lovers

16:39 No additional text

Notes

Phoenix SAL

28/07/2016 P2P Android ed iOS - ...

Notes

Wire — Private Messenger by...

22/07/2016 1 web link

Notes

Troy Hunt: I wanna go...

22/07/2016 1 web link

Notes



Post: cards to show basic dat...

18/07/2016 Routes

Notes

Post: iOS push notification fea...

16/07/2016 No additional text

Notes

Drag & Drop

Post: how to measure accuracy...

16/07/2016 user privacy. It cannot...

Notes

Ciao zio Leo



Done

Mac Lovers

Mac Lovers

16:39 No additional text

Notes

Phoenix SAL

28/07/2016 P2P Android ed iOS - ...

Notes

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Notes

Ciao zio Leo





FastPdfKit
iOS PDF FRAMEWORK

PDFKit

Now available on iOS

I've been Sherlocked.

A close-up, front-facing view of Lightning McQueen's face. He has large, expressive blue eyes with black pupils. His head is red with white racing stripes. The word "SPEED" is written in large, bold, black letters across his forehead. The rest of his body is a shiny red.

SPEED

I AM SPEED

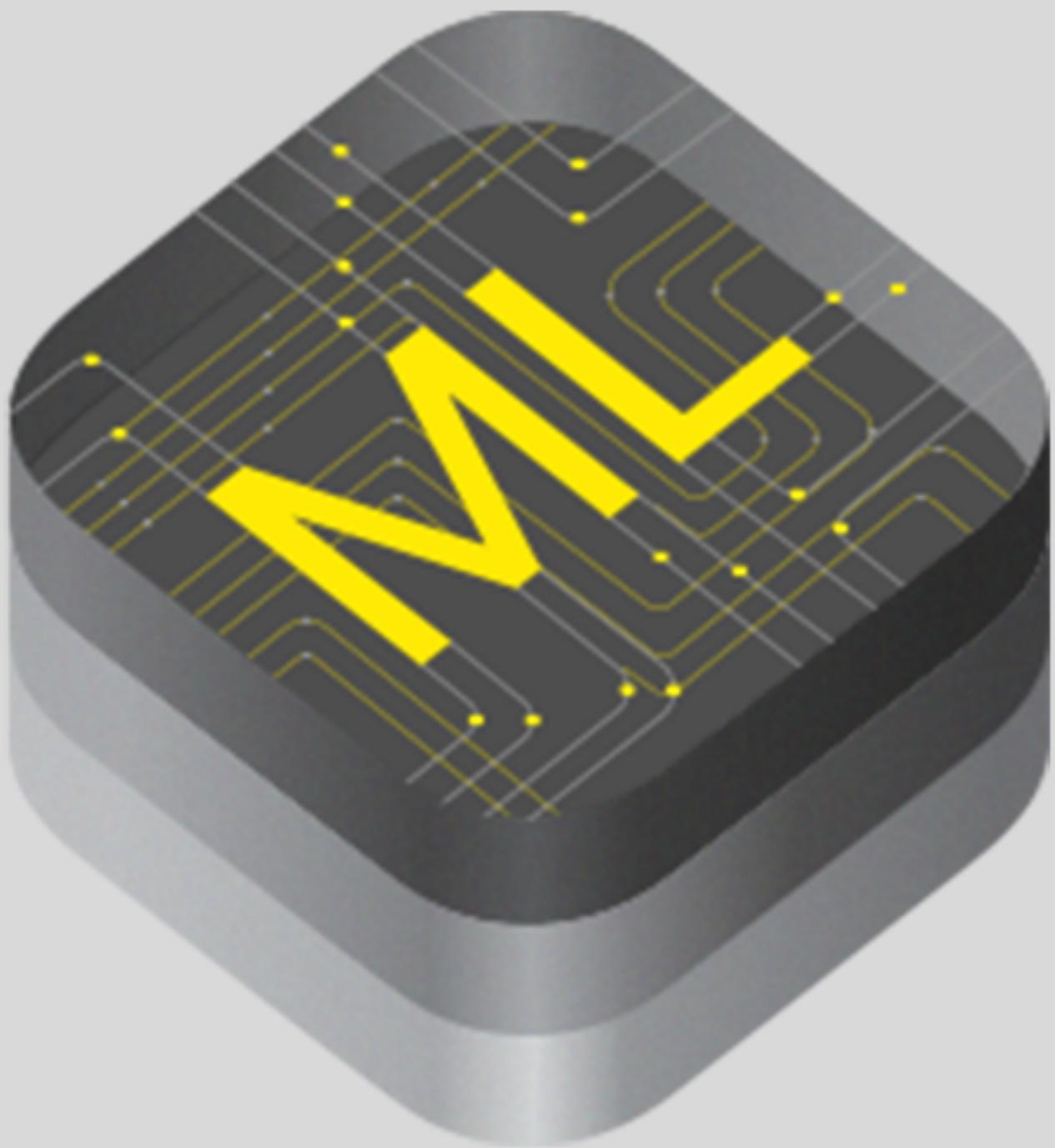
XCTest



UIKit

- API to manage taller navigation bars.
- UITableView now has automatic cell height enabled by default.
- Safe areas and layout guides deprecations.





Core ML



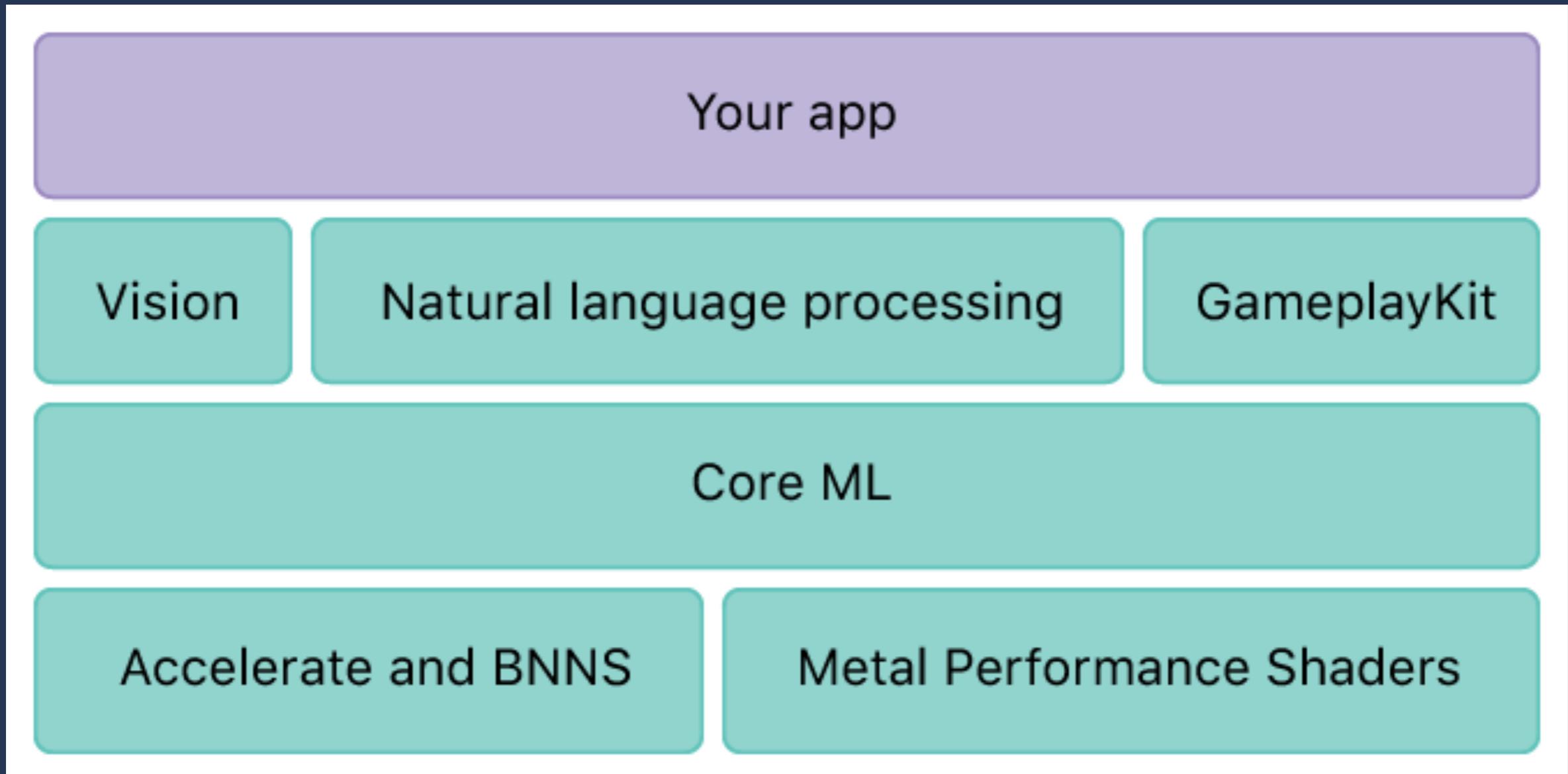
Caffe



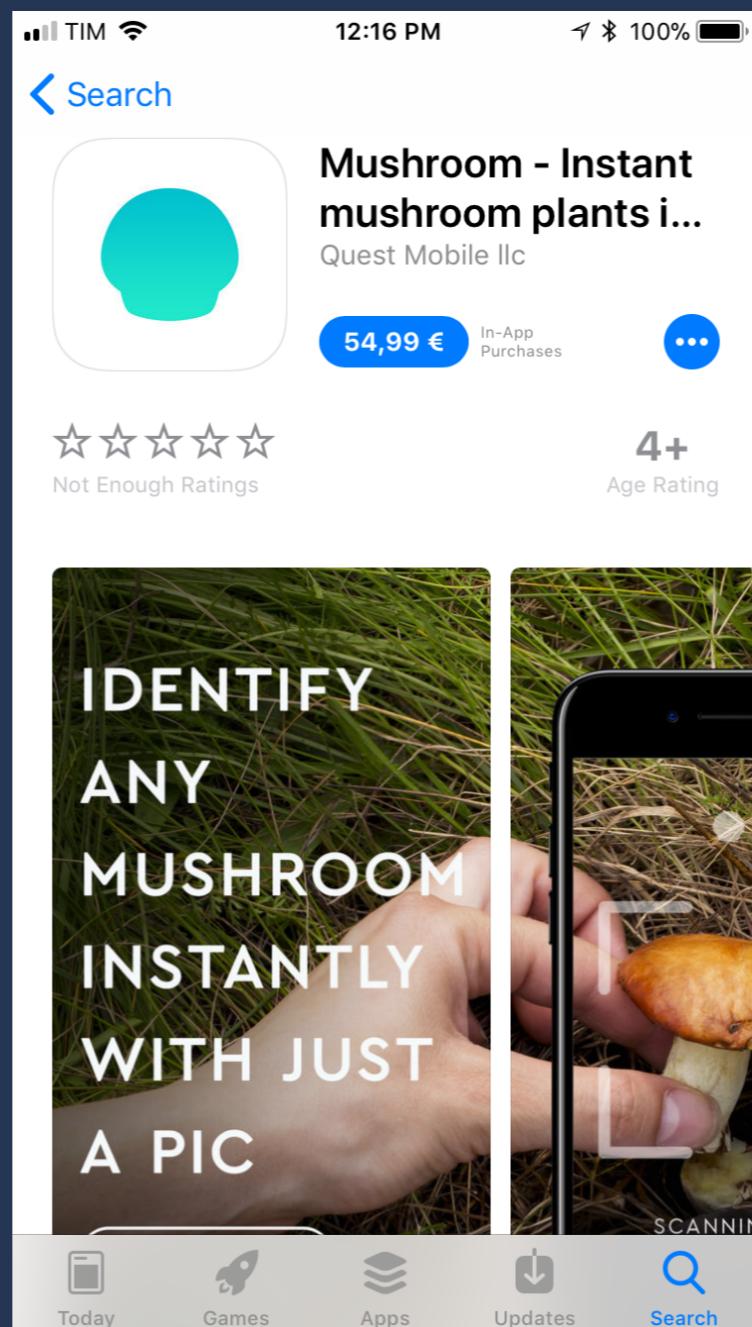
Models

Turi
Caffe
Keras
(TensorFlow)

Machine Learning Stack

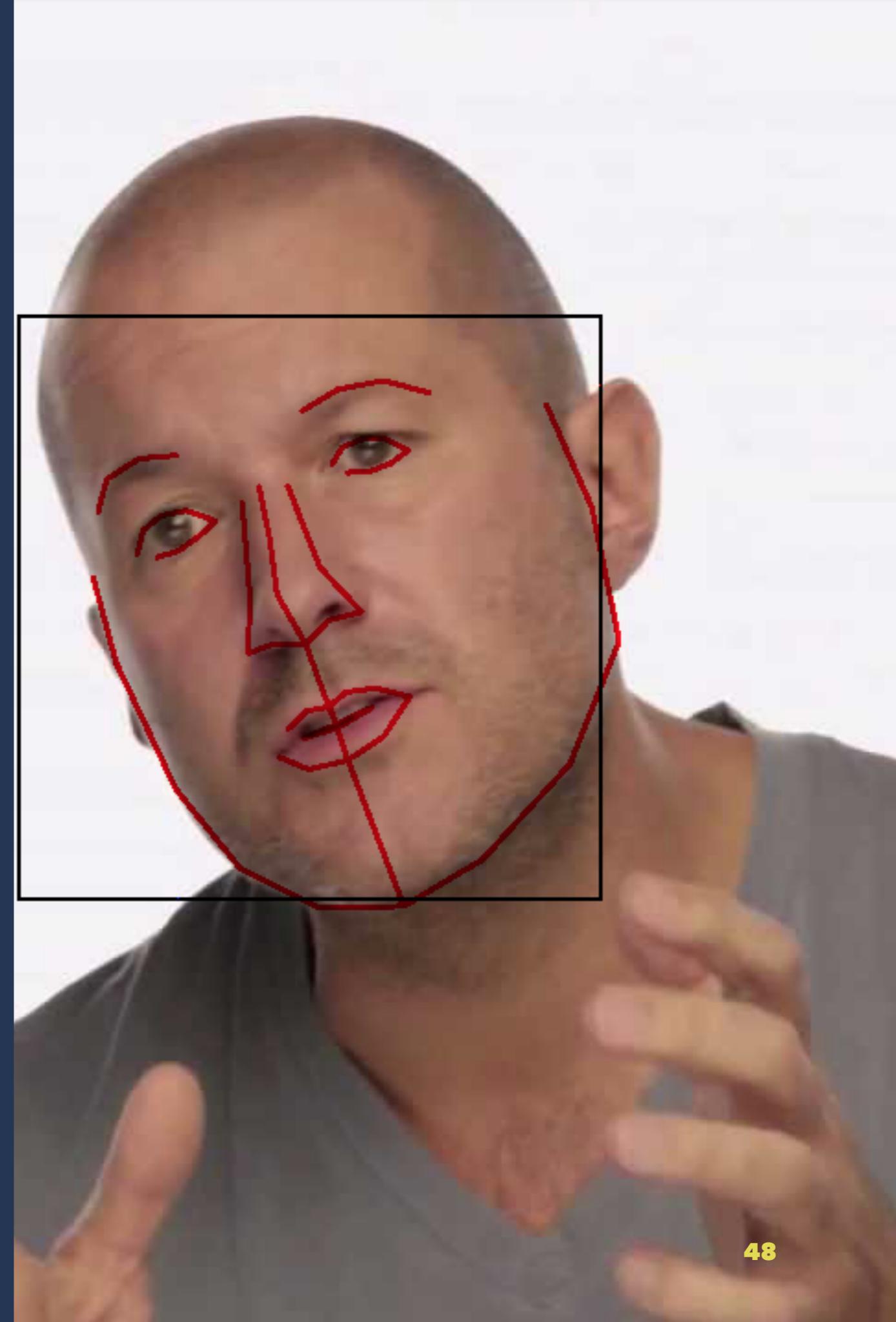


Use your Brain



Vision

- Rectangles.
- Faces.
- Object Tracking.





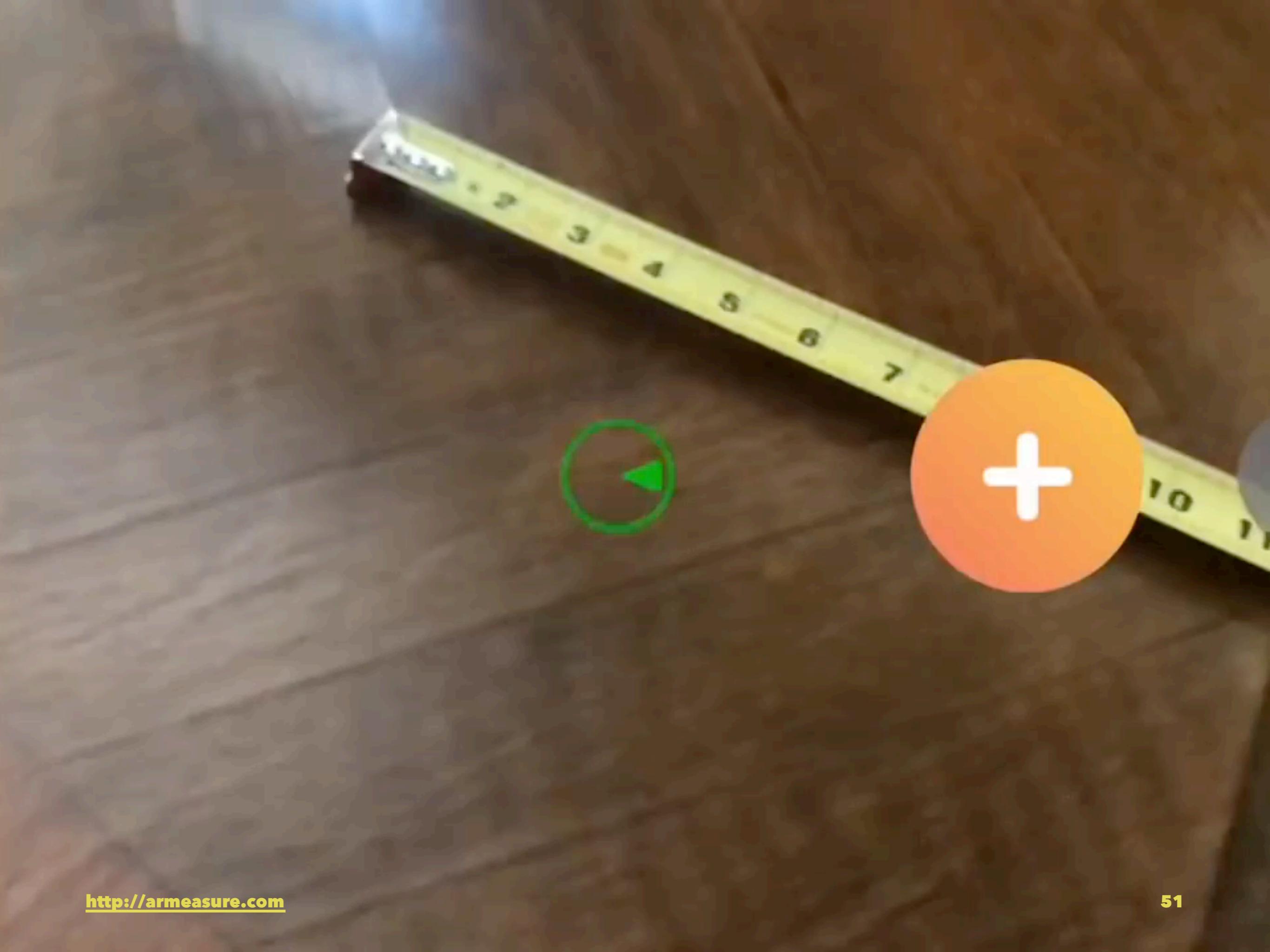
ARKit

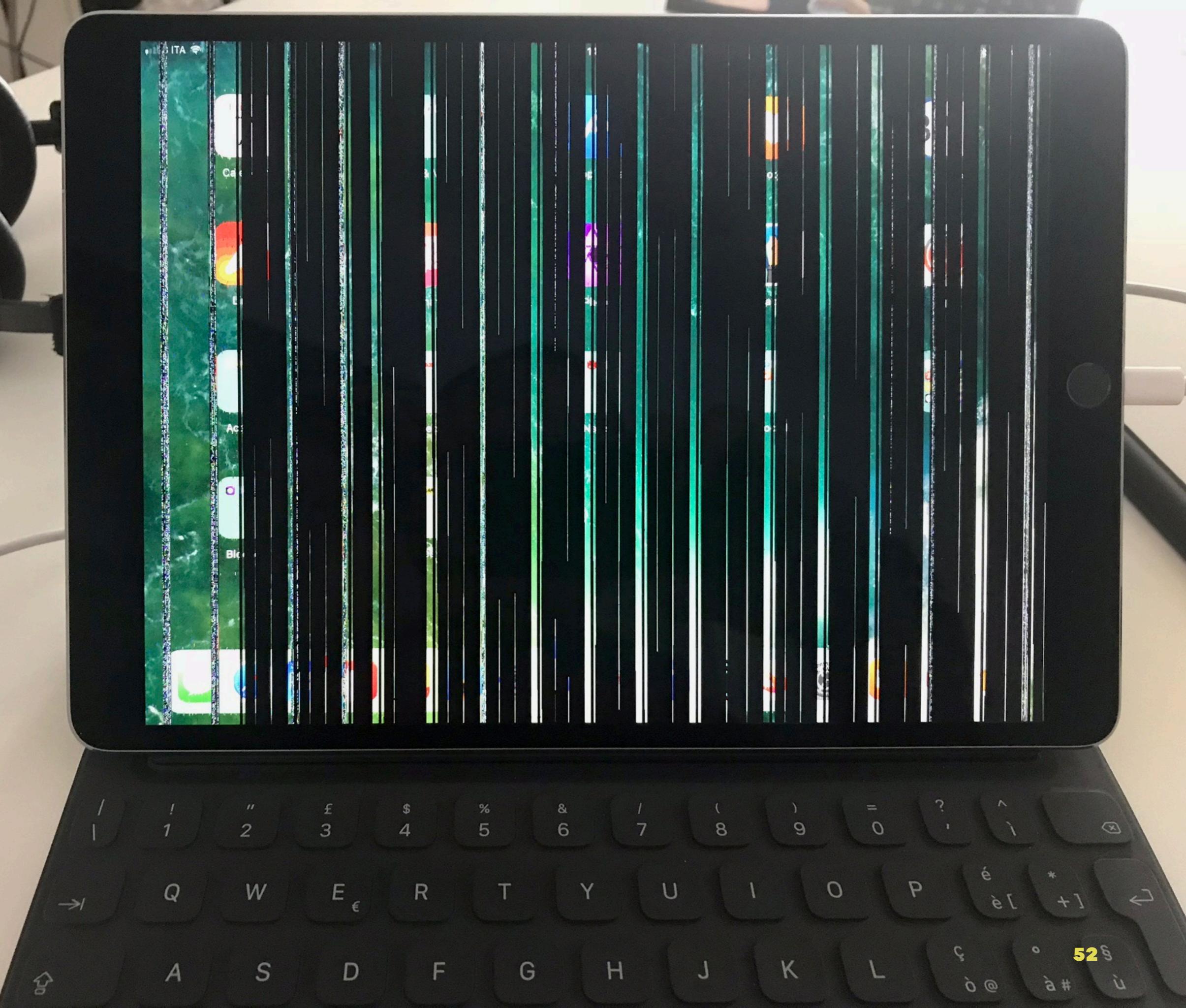
- Where is the camera in space?
- Where is it looking?

ARKit

- Understand the scene
- Lighting







Questions?

Thanks