

What Do I Need to Know?

Technical Skills to Learn











W







P





























U





































W



















W



































































































































W











W











































































W



















































































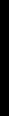














R









R























R











































































Y









W

W

















































































































A















W











































V



























- ***The Swift Programming Language***
- **<https://docs.swift.org/swift-book/GuidedTour/GuidedTour.html>**

- **Something to build user interface with**
 - SwiftUI (easier), UIKit (more generic, older way of programming iOS)
 - SceneKit (3D) | SpriteKit (2D) | ARKit, RealityKit (AR)

- **Apple's latest technologies (preferably from WWDC21/20)**
- **<https://developer.apple.com/videos/all-videos/>**
- A niche one would be unique, but probably harder to learn



20:28

Explore ARKit 5



25:07

Dive into RealityKit 2



17:58

Detect people, faces, and poses
using Vision



18:25

Design for spatial interaction



18:17

Immerse your app in spatial audio



19:43

Bring accessibility to charts in your app



19:12

Extract document data using Vision

```
let options = CSVReadingOptions(
    hasHeaderRow: true,
    nilLineStrings: ["", "nil"],
    ignoreEmptyLines: true,
    delimiter: ",",
)
let dataframe =
    try DataFrame(contentsOfCSVFile: url,
        options: options)
```



ID	Name	Age	Sex	Height	Weight	BMI	Date
1001	John	30	M	1.75	75	24.5	2020-01-01
1002	Jane	25	F	1.60	60	23.4	2020-01-02
1003	John	35	M	1.80	85	26.7	2020-01-03
1004	Jane	28	F	1.70	70	24.2	2020-01-04
1005	John	32	M	1.78	78	24.8	2020-01-05
1006	Jane	27	F	1.65	65	23.8	2020-01-06
1007	John	33	M	1.72	72	24.3	2020-01-07
1008	Jane	26	F	1.62	62	23.6	2020-01-08
1009	John	31	M	1.76	76	24.6	2020-01-09
1010	Jane	29	F	1.68	68	24.0	2020-01-10

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Explore and manipulate data in Swift with TabularData

Tech Talks · iOS, macOS

Discover how you can use the TabularData framework to load, explore, and manipulate unstructured data in Swift — whether you need to pre-process data for a machine learning task or digest data on-the-fly in your app. Learn how this framework can help you handle large datasets, join multiple...



15:49

Improve Object Detection models in Create ML

Tech Talks · iOS, macOS

When you train custom Core ML models for object detection in Create ML, you can bring image understanding to your app. Discover how transfer learning allows you to build smaller models with less training data. We'll also take you through some of the advanced parameters in Create ML that help you...