



# CATHAY HACKATHON



## Online Learning Resources

# Business Learnings Overview



## HK Express

Airline

Cathay Subsidiary

Low Cost Carrier



Coming Soon!



## Cathay Cargo

Cargo Airline

Cathay Subsidiary



Coming Soon!

# Technical Learnings Overview



## Alibaba Cloud Academy


Cloud Computing

Alibaba Cloud

Digital Training



 **Coming Soon!**



## Design with SwiftUI


Will Danner, Designer  
Philip Davis, Designer


## Apple - Design with SwiftUI

SwiftUI

UI Design

Xcode



 [Click to start](#)

## Introduction to SwiftUI

Jacob Xiao, SwiftUI  
Kyle Macomber, SwiftUI



## Apple - Introduction to SwiftUI

SwiftUI

UI Design

Xcode




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# Technical Learnings Overview

### Explore Computer Vision APIs


Frank Doepke, Engineer  
David Hayward, Engineer




**Apple - Explore Computer Vision APIs**

Core Image   Core ML

Computer Vision



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### AWS Skill Builder

Machine Learning   Cloud Computing


AWS Certifications



 [Click to start](#)

Google Cloud


### Introduction to Generative AI




### Google Cloud Skills Boost

Cloud Computing   Data Analytics

Gen AI



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# Technical Learnings Overview



Compute

## Huawei Cloud Training Courses

Cloud Computing

Data Handling

AI



HUAWEI

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## Microsoft Learn

Cloud Computing

Data Handling

Software Development



Microsoft

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## Microsoft Learn Azure OpenAI

Gen AI

Azure

OpenAI




Microsoft

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# Apple - Design with SwiftUI




**Design with SwiftUI**  
Will Danner, Designer  
Philip Davis, Designer

## Apple - Design with SwiftUI

SwiftUI

UI Design

Xcode

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## Course Content

Discover how SwiftUI can help you quickly iterate and explore design ideas. Learn from Apple designers as they share how working with SwiftUI influenced the design of the Maps app in watchOS 10 and other elements of their work, and find out how you can incorporate these workflows in your own process.

Intermediate

## Language

English

# Apple - Introduction to SwiftUI



## Introduction to SwiftUI

Jacob Xiao, SwiftUI  
Kyle Macomber, SwiftUI



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## Apple - Introduction to SwiftUI

UI Design

Xcode

SwiftUI

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## Course Content

Explore the world of declarative-style programming: Discover how to build a fully-functioning SwiftUI app from scratch as we explain the benefits of writing declarative code and how SwiftUI and Xcode can combine forces to help you build great apps, faster.

Beginner

## Language

English


# Apple - Explore Computer Vision APIs



#WWDC20

Explore Computer Vision APIs

Frank Doepke, Engineer  
David Hayward, Engineer




Apple -  
Explore Computer  
Vision APIs

Core ML

Core Image

Computer Vision

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## Course Content

Learn how to bring Computer Vision intelligence to your app when you combine the power of Core Image, Vision, and Core ML. Go beyond machine learning alone and gain a deeper understanding of images and video. Discover new APIs in Core Image and Vision to bring Computer Vision to your application like new thresholding filters as well as Contour Detection and Optical Flow. And consider ways to use Core Image for preprocessing and visualization of these results. To learn more about the underlying frameworks see "Vision Framework: Building on Core ML" and "Core Image: Performance, Prototyping, and Python." And to further explore Computer Vision APIs, be sure to check out the "Detect Body and Hand Pose with Vision" and "Explore the Action & Vision app" sessions.


Intermediate

## Language

English







## AWS Skill Builder

Machine Learning

Cloud Computing

AWS Certifications

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## Course Content

AWS Skill Builder, developed by Amazon Web Services, offers a platform to learn and enhance cloud skills through 600+ free courses, practical AWS sandbox exercises, and game-based learning, catering to various learning preferences.

Suggested Contents:

[Machine Learning - Learning Plan \(Amazon\)](#)

[Introduction to Amazon SageMaker](#)

[AWS Foundations: How Amazon SageMaker Can Help](#)

[Amazon SageMaker: Build an Object Detection Model Using Images Labeled with Ground Truth](#)

[Developing Machine Learning Applications](#)


Beginner to  
Intermediate

## Language

English

Google Cloud

Introduction to Generative AI




Google Cloud Skills Boost

Machine Learning

Data Analytics

Gen AI

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Course Content	
This learning path provides an overview of generative AI concepts, from the fundamentals of large language models to responsible AI principles.	
Language	
English	
Beginner to Intermediate	

# Huawei Cloud Training Courses




**Compute**

## Huawei Cloud Training Courses

Machine Learning

Data Handling

AI

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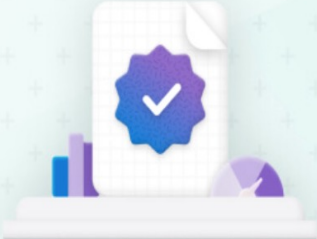
## Course Content

Huawei Cloud Training Courses provide a pathway to learn cloud computing basics. Covering General Computing, AI, Big Data, and more, they cater to beginners, technical personnel, and partners, offering a foundation to start and advance one's cloud journey.

Beginner to  
Intermediate

## Language

English




## Microsoft Learn

Cloud Computing

Data Handling

Software Development

 [Click to start](#)

### Course Content


Build skills that open doors. See all you can do with documentation, hands-on training, and certifications to help you get the most from Microsoft products.

### Beginner to Intermediate

### Language

English

# Microsoft Azure OpenAI




## Microsoft Learn Azure OpenAI

Gen AI

Azure

OpenAI

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## Course Content

Azure OpenAI Service provides access to OpenAI's powerful large language models such as GPT; the model behind the popular ChatGPT service. These models enable various natural language processing (NLP) solutions to understand, converse, and generate content. Users can access the service through REST APIs, SDKs, and Azure OpenAI Studio. In this course, you'll learn how to provision Azure OpenAI service, deploy models, and use them in generative AI applications.

Intermediate to  
Expert

## Language

English

