

LEARN

Microsoft Learn

Master core concepts
at your speed
and on your schedule



I'M JUST YOUR AVERAGE UNIVERSITY STUDENT.

SOMEDAY I'D LIKE TO BE SOMEBODY,

BUT I DON'T EVEN KNOW WHAT THAT IS,
SO I JUST REPEAT THE SAME THING, EVERY DAY...

GOOD MORNING, MICK!!

YOUR VIDEO LAST NIGHT GOT A LOT OF BUZZ!

OH, HEY TOORU.

MY CAT WAS DOING A WEIRD POSE, SO I JUST ADDED SOME SOUND EFFECTS.

はあ...

WOW, YOU'VE GOT OVER 10,000 FOLLOWERS!



WELL... THERE'RE BIGGER FISH OUT THERE.

THIS IS ALL I CAN REALLY DO.

HUH?

EVEN IF I HAVE AN IDEA, I DON'T HAVE THE SKILLS TO MAKE ANYTHING.

YOU'RE LUCKY, TOORU.
YOU CAN DRAW.

...WELL,
IN THAT CASE...

LET'S MAKE
SOMETHING
TOGETHER!

WHAT!?

HMM, LET'S SEE...

HOW ABOUT
AN ORIGINAL APP!!

THAT SOUNDS
REALLY HARD!!

I CAN'T EVEN
PROGRAM...

IT'S MY DREAM TO HAVE
MY DRAWINGS COME TO LIFE
IN AN APP!

HOLD ON, THERE!!
WHAT KIND OF APP
DO YOU EVEN
WANNA MAKE?

AREN'T YOU
THE IDEA GUY, MICK?

HOW ABOUT AN APP
THAT SOLVES OUR
BIGGEST PROBLEMS NOW?

OKAY, THAT SEEMS LIKE
A GOOD PLACE TO START.

LATELY, ALL THE PAPERS
WE GET IN CLASS ARE
IN ENGLISH,
AND IT'S TOUGH, RIGHT?

SO WHAT IF WE MADE
AN APP THAT CAN TRANSLATE
THOSE DOCUMENTS
IN A FUN AND EASY WAY...?

THAT SOUNDS GREAT!
LET'S GO WITH THAT.

お、
おう…

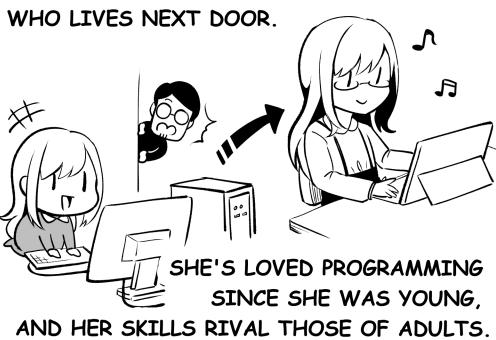
I WENT AND SAID THAT
WITHOUT REALLY
THINKING ABOUT IT...

WHAT SHOULD I DO...?
I DON'T HAVE ANY
KNOWLEDGE
ON THIS STUFF!

WHAT'S THE
MATTER?

WHOA!!

THIS IS SOFIA.
SHE'S A CHILDHOOD FRIEND OF MINE
WHO LIVES NEXT DOOR.



SHE'S LOVED PROGRAMMING
SINCE SHE WAS YOUNG,
AND HER SKILLS RIVAL THOSE OF ADULTS.

HMM, I SEE...
IT'S DIFFICULT TO KNOW
WHERE TO START
WHEN BEGINNING TO
LEARN PROGRAMMING,

ISN'T IT?

IN THAT CASE...

<https://aka.ms/MSLearn-ENG>

I RECOMMEND THIS WEBSITE!!

MICROSOFT LEARN

I'VE LEARNED
DEVELOPMENT
ON THIS WEBSITE.

ISN'T THAT
EXPENSIVE...?

ACTUALLY, IT'S
ALL AVAILABLE
FOR FREE!!

AWESOME

Popular learning paths and modules



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LEARNING PATH

MODULE

MODULE

<https://aka.ms/Python-First-Steps>

WELL, LET'S GET
STARTED!

FIRST, LET'S START
WITH THE BASICS
OF PROGRAMMING.



WITH MSLEARN,
YOU CAN LEARN PROGRAMMING
LANGUAGES LIKE PYTHON AND C#

OR EVEN GIT,
WHICH YOU'LL NEED FOR
JOINT DEVELOPMENT!

演習 - 最初のアプリを作成する

サンドボックスがアクティビ化されました! 狙り時間: 3時間25分
今日利用できる 10 個中 1 個のサンドボックスを使用しました。明日、またサンドボックスを使用でき

Python の使用を開始する方法は、入力と出力を実行する方法を学習することです。Python では、言語に組み込まれている 60 を超える関数の 1つである、`print` 関数で画面にテキストを出力します。次のステートメントでは、「Hello World!」が画面に表示されます。

Python	▶ コピー
print('Hello World!')	

print に渡される引数は「文字列」であり、これは、テキストの格
データ形式の 1 つです。観察では、print 行の末尾に改行文字が付
(print の追加呼び出しなど) は次の行で開始されます。

**YOU CAN RUN THE CODE
ON THE RIGHT SIDE OF THE SCREEN**

**YOU CAN JUST
UN THE CODE
ON THE BROWSER!**



ACTUALLY, IF YOU USE AZURE NOTEBOOKS,
YOU CAN RUN YOUR CODE AND
VISUALIZE AI MODELS RIGHT AWAY.

ONCE YOU GAIN MORE SKILLS,
YOU SHOULD TRY THAT OUT



SO, MICK,
WHAT KIND OF APP
DO YOU
WANNA MAKE?

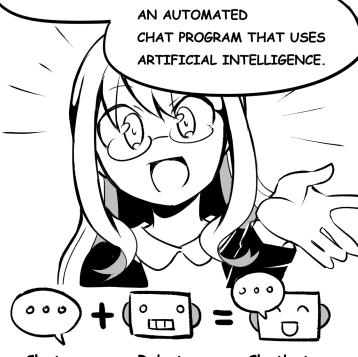
YOU KNOW HOW LATELY
THERE ARE APPS
THAT GIVE REALLY
NATURAL REPLIES
WHEN YOU TALK TO THEM?



I'D LIKE TO MAKE
AN APP LIKE THAT
WHICH CAN TRANSLATE
ENGLISH INTO JAPANESE...

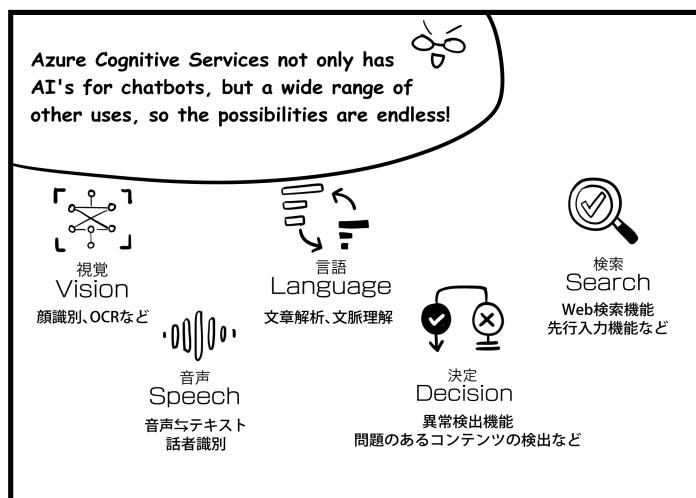
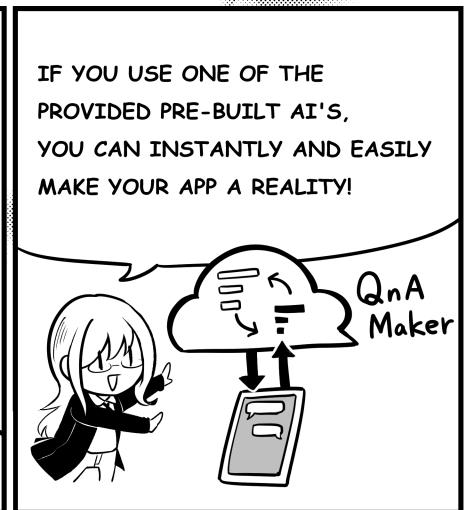
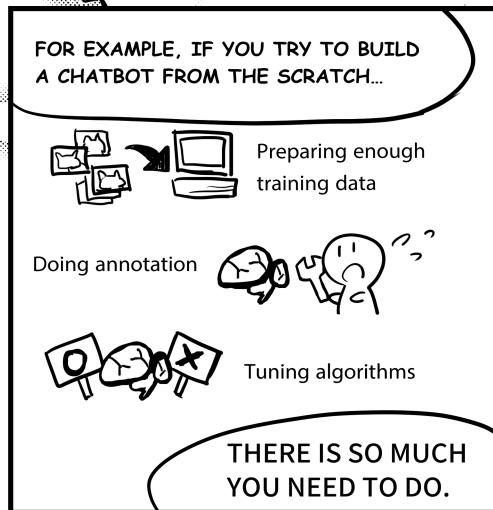
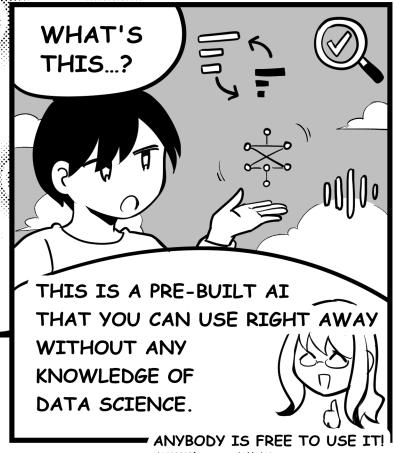
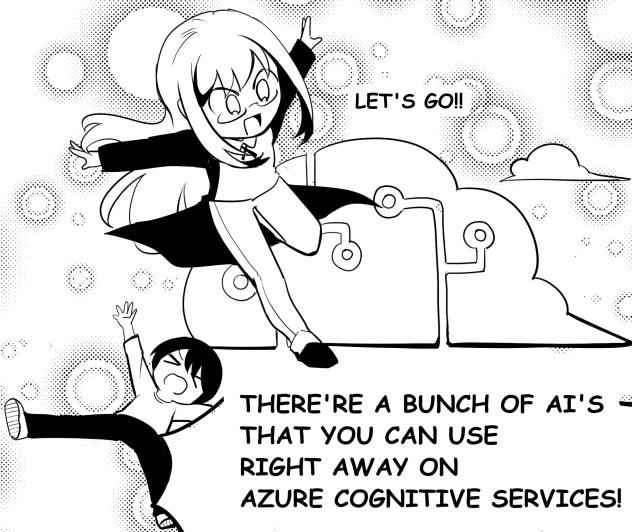
OH, YOU MEAN CHATBOTS?

AN AUTOMATED CHAT PROGRAM THAT USES ARTIFICIAL INTELLIGENCE



BUT DON'T YOU NEED TO
KNOW ADVANCED
MATHEMATICS
WHEN IT COMES TO AI?





AZURE COGNITIVE SERVICES WORKS ON THE CLOUD.

SO YOU NEED TO HAVE A BASIC UNDERSTANDING OF THE CLOUD!

THE CLOUD...?
CAN I LEARN THAT ON MSLEARN, TOO?

OF COURSE!!

THIS IS THE PAGE TO LEARN ABOUT THE CLOUD-BASED SERVICE, AZURE!



Azure fundamentals

9 hr 48 min • Learning Path • 12 Modules

Beginner Developer Solutions Architect Administrator AI Engineer Business Analyst Business User Data Scientist Azure Azure Portal Azure Resource Manager Storage Virtual Machines

Interested in the cloud, but aren't quite sure what it can do for you? This path is the p

BY THE WAY, IF YOU DO ALL OF THESE LEARNING PATHS, YOU'LL BASICALLY BE STUDYING FOR THE AZ-900 MICROSOFT CERTIFICATION TEST!

<https://aka.ms/AFUN-LP>

IF YOU PASS IT,
THAT'LL BE PROOF
THAT YOU KNOW THE
BASICS OF THE CLOUD.



WOW! THAT'D BE SOMETHING TO BE PROUD OF.

LET'S GET STARTED!

1. Sign in to the [Azure portal](#).

2. Select + Create a resource. In the Se

3. In the search bar, type select Speech. In t

SIGN IN TO AZURE PORTAL?

OH, RIGHT.

TO USE AZURE, YOU NEED TO SIGN UP FOR A SUBSCRIPTION.

7. Finally, click Create.

Microsoft Azure

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HEY!

THERE'S AZURE FOR STUDENTS, WHICH IS FREE FOR STUDENTS!



FIRST, I NEED TO REGISTER HERE...

AND THEN PRACTICE BY ACTUALLY USING RESOURCES ON AZURE!

TIME TO REALLY GET INTO CREATING MY CHATBOT FOR FREE!



A FEW DAYS LATER

PHEW!

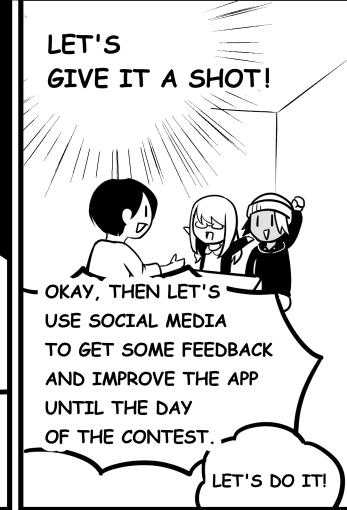
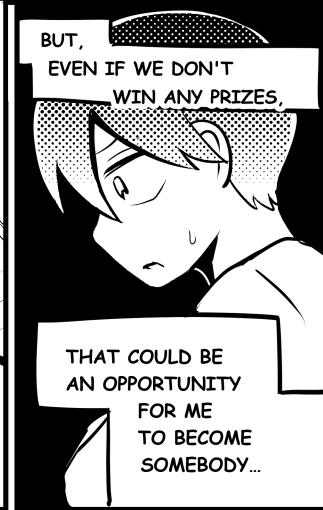
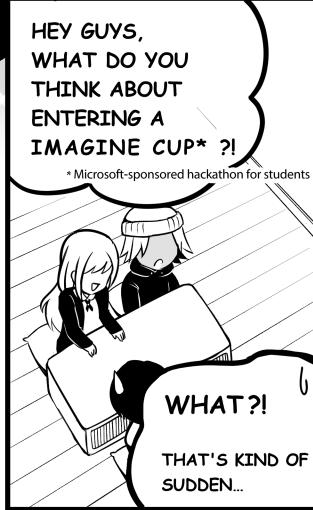
FUNCTIONALLY, IT'S BASICALLY COMPLETE!

BUT THE DESIGN IS A LITTLE BLAND...



MY DRAWING SKILLS SUCK...

I'VE GOT JUST THE PERSON FOR THAT!



HEY MICK,
HOW'D YOU END UP
LEARNING PROGRAMMING
IN SUCH A SHORT
TIMESPAN?

I USED MSLEARN!

IT'S AVAILABLE FOR FREE,
AND ANYBODY CAN USE IT!

REALLY?
IF EVEN YOU CAN
DO THAT,
MAYBE I CAN, TOO.

NO NEED TO
PUT IT THAT
WAY...

BUT THANKS TO MSLEARN,
I'VE GAINED
A LOT OF CONFIDENCE!

EVEN I CAN CREATE
SOMETHING BASED
ON MY OWN IDEAS!

MSLEARN NOT ONLY HAS CONTENT FOR BEGINNERS,
BUT ALSO INTERMEDIATE AND EXPERIENCED USERS!

For example, Python developers can
dive into Machine Learning



Front-end engineers get to write
simpler code by catching up
with backend stuff

I AM PERSONALLY FILLING IN THE GAPS
IN MY KNOWLEDGE ABOUT SERVERS
TO PREPARE FOR IMAGINE CUP
GLOBAL FINALS.

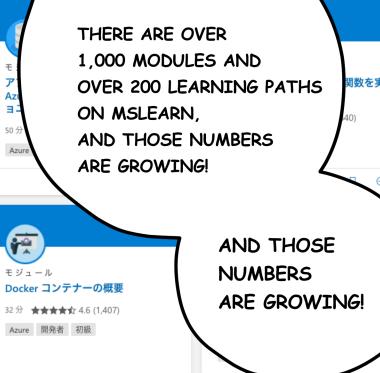


THERE ARE OVER
1,000 MODULES AND
OVER 200 LEARNING PATHS
ON MSLEARN,
AND THOSE NUMBERS
ARE GROWING!

AND THOSE
NUMBERS
ARE GROWING!

WOW!
I SHOULD GIVE
MSLEARN A TRY!

TAKE YOUR FIRST STEPS TOWARD
BECOMING AN IT ENGINEER WITH MSLEARN!



Docker コンテナーの概要
モジュール
Azure App Service を使用して Web サイトを Azure デプロイする
モジュール
Azure Automation State Configuration を使用して仮想マシンの設定を保護する



ラーニング パス
Azure App Service を使用して Web サイトを Azure デプロイする
モジュール
Azure Automation State Configuration を使用して仮想マシンの設定を保護する
4 時間 37 分
54 分 ★★★★★ 4.7 (516)
Azure 管理者 初級

From Imagine Cup Winners



Mio Okawa

Imagine Cup 2012 World Tournament
2nd prize winner

Microsoft Japan

Cloud Solution Architect

Imagine Cup is Microsoft's global technology competition very well known among the students! Winning a second place in Imagine Cup was truly the most exciting and memorable experience in my life. I think it was thanks to the enthusiasm, curiously, and hunger for learning peculiar to when we are students. Take the chance and join Imagine Cup - it's a great experience guaranteed!

Process and classify images with the Azure Cognitive Vision Services

Based on my experience, I would recommend this learning path. You will learn how to easily build interesting apps by using Image-related AI such as Face API that can analyze facial expression and age from pictures of human faces, or Computer Vision, which can detect objects in photos.



I am a Microsoft Learn Student Ambassador, and would like to share about this amazing student program that provides students with access to various Microsoft technologies and connects to global student community!

It really helped me to meet a lot of interesting people through organizing hackathons and advance my career. I was even able to form a team to enter ImagineCup and go to the Global Finals.

Now it's your turn to win the championship and receive \$100k!!!



AI business school for healthcare

I would recommend this learning path, which I completed while preparing for Imagine Cup myself. There are AI business school learning paths for other industries, as well!



Masaki Takeuchi

Imagine Cup 2020 World Tournament
3rd prize winner

Graduate School, Tokyo University

Popular Learning Paths

if you are wondering where to start

Intro to coding



<https://aka.ms/Intro-to-Dev>

Tips *

You can create your own collections combining your favorite modules just like this one!

First steps with Python



<https://aka.ms/Python-First-Steps>

Azure fundamentals



<https://aka.ms/AFUN-LP>



Deploy a website



<https://aka.ms/Deploy-a-Website>

Machine learning crash course



<https://aka.ms/MLCrashCourse-LP>



Evaluate text with Azure Cognitive Language Services



<https://aka.ms/Azure-Cognitive-Language-Services-LP>

illustrations by Ai Minatogawa