

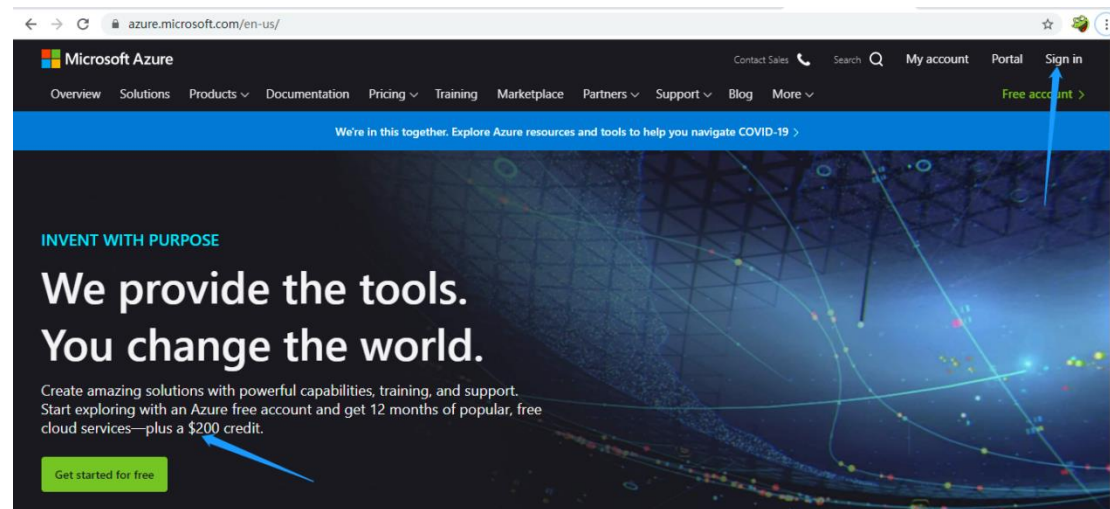
Cloud and Mobile Computing: Experiencing Microsoft Azure

April 26, 2021

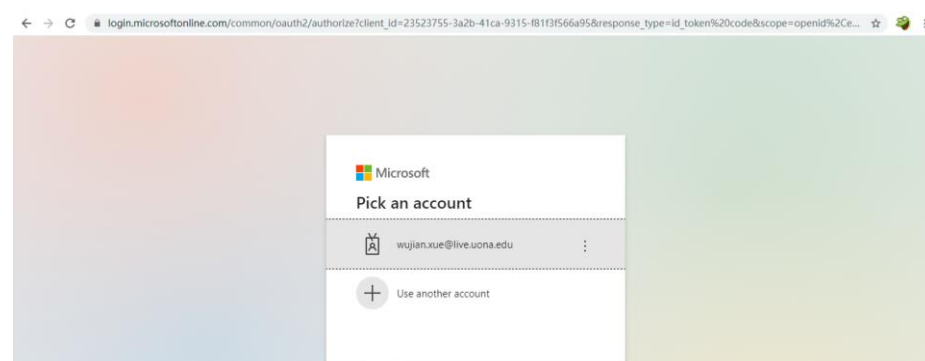
Wujian Xue

1.Go to <https://azure.microsoft.com/> or <https://aws.amazon.com/>

In this article, I choose Microsoft Azure to experience cloud computing. On the front page, Azure clearly states that it offers \$200 credit for new users.

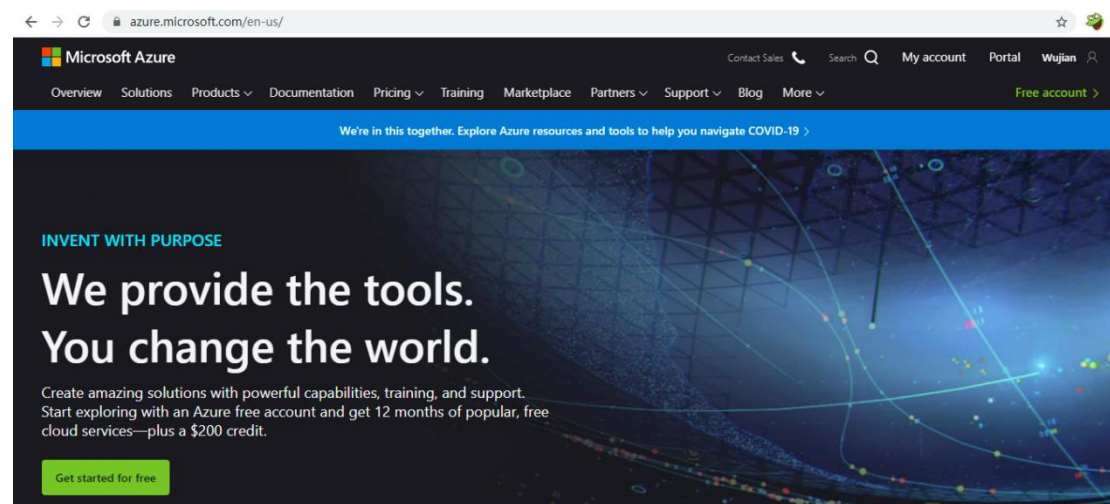


Since I have registered in Azure before, I can just click on Sign in. As a matter of fact, I have more than one accounts in Azure. I use my email sign in this time.



2.Create your free personal cloud service subscription.

This is the page after I signed in.

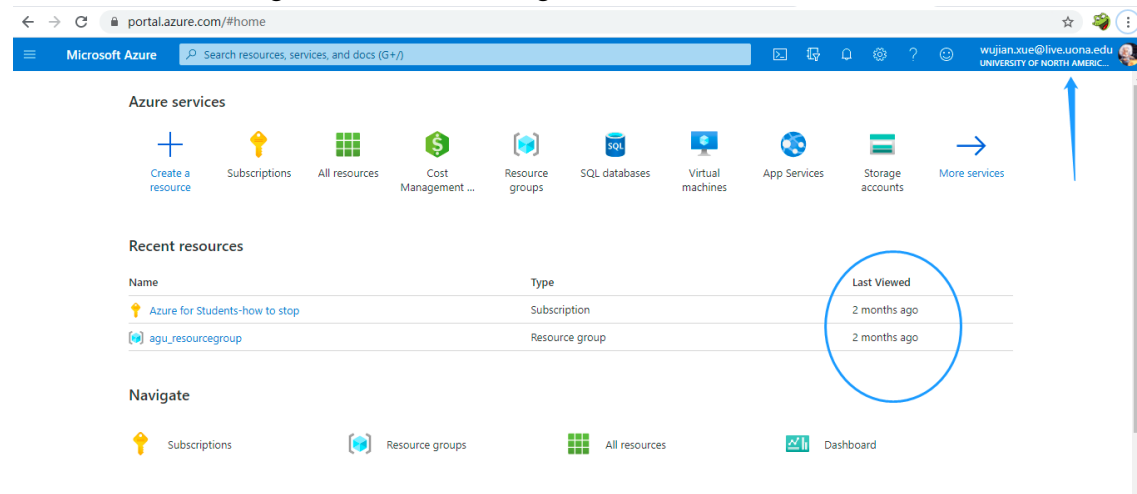


When I registered with my email, Azure offered me \$100 credit for student account. I used \$23 and there are \$77 left.



3. Make screenshot showing you are the owner of the account.

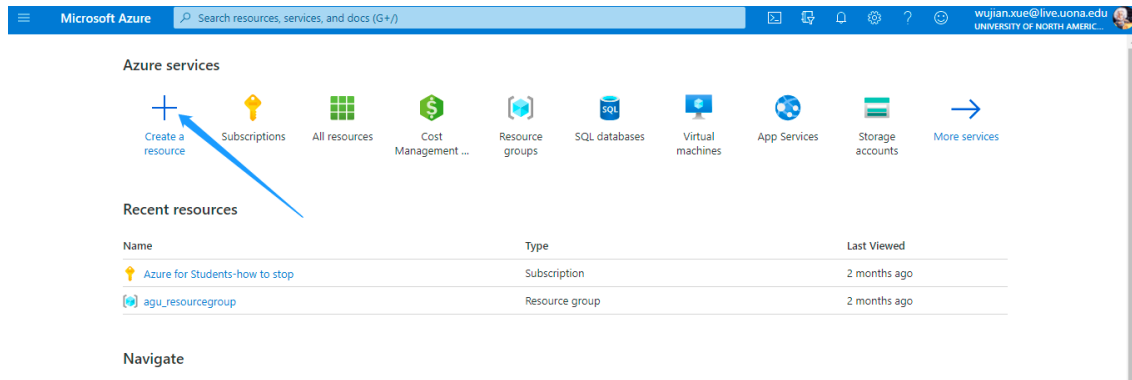
This page shows I'm the owner of the account too, as you can see my name and email. I practiced Azure about 2 month ago for Machine Learning models.



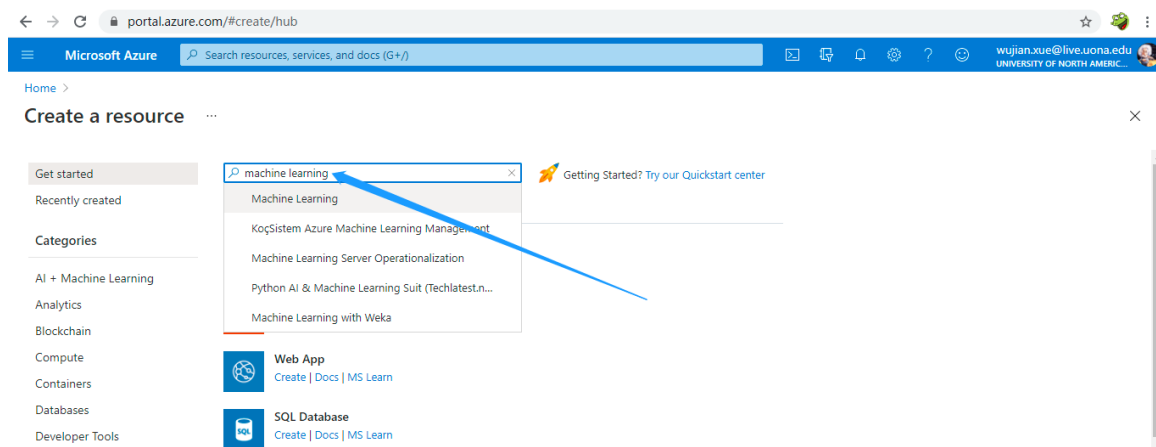
4. Find some interesting feature such as creating virtual machine, or something else you would like to try.

I'd like to try machine learning feature on Azure in this section. First of all, I need to create an Azure Machine Learning workspace.

Create a resource



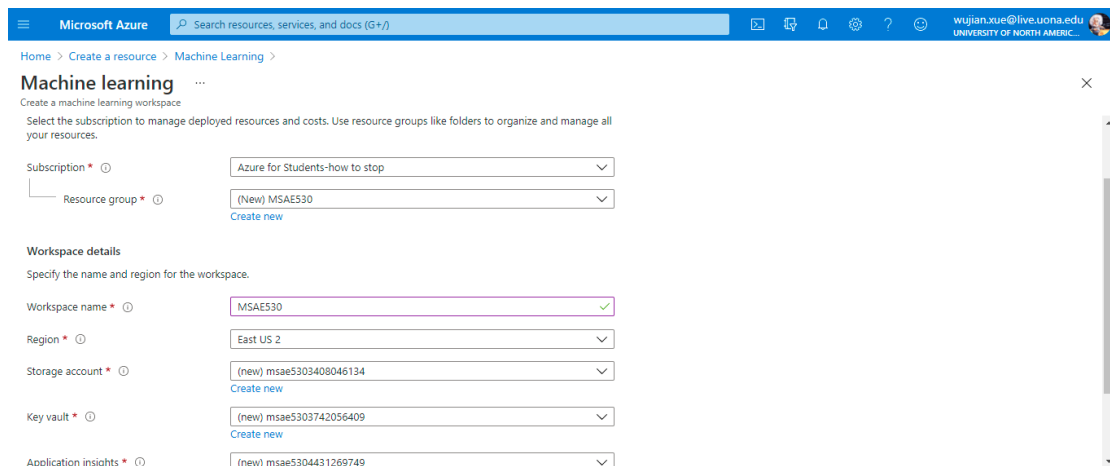
Search for machine learning



Create a new Machine Learning resource



Set Parameters: Workspace Name, Subscription, Resource group, Location



Create a machine learning workspace

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a resource > Machine Learning >

Machine learning

[Create a machine learning workspace](#)

✓ Validation passed

Basics Networking Advanced Tags **Review + create**

Basics

Subscription	Azure for Students-how to stop
Resource group	(New) MSAE530
Region	East US 2
Workspace name	MSAE530
Storage account	(new) msae5303408046134
Key vault	(new) msae5303742056409
Application insights	(new) msae5304431269749
Container registry	None

Networking

Connectivity method Public endpoint (all networks)

[Create](#) [< Previous](#) [Next >](#) [Download a template for automation](#)

Finish the deployment

Microsoft Azure Search resources, services, and docs (G+)

Home > Microsoft.MachineLearningServices | Overview

Deployment

Search (Ctrl+/) Delete Cancel Redeploy Refresh

Overview Inputs Outputs Template

We'd love your feedback →

✓ Your deployment is complete

Deployment name: Microsoft.MachineLearningServices
Subscription: [Azure for Students-how to stop](#)
Resource group: [MSAE530](#)

Start time: 4/26/2021, 9:47:08 PM
Correlation ID: 5af73a1e-85e5-475b-a4e8-1a76d9bcd247

Deployment details (Download)

Next steps

[Go to resource](#)

Security Center
Secure your apps and infrastructure
[Go to Azure security center >](#)

Free Microsoft tutorials
[Start learning today >](#)

Work with an expert

Launch Azure Machine Learning studio

ml.azure.com/selectWorkspace

Microsoft Azure Machine Learning

Welcome to the studio!

Select a subscription and a workspace to get started or go to the [Azure Portal](#) to create your subscription and workspace. You can switch subscriptions and workspaces at any time. [Learn more.](#)

Directory and Subscription University of North America, Azure for Students-how to stop

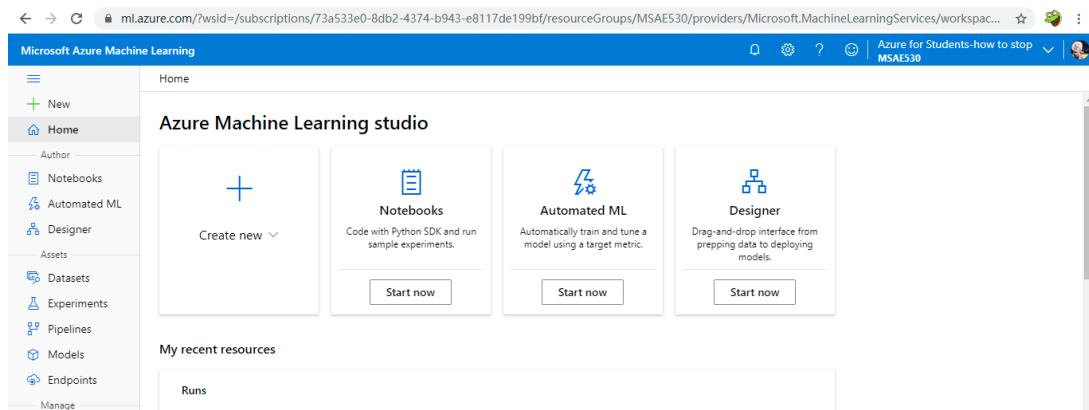
Machine Learning workspace ②

MSAE530

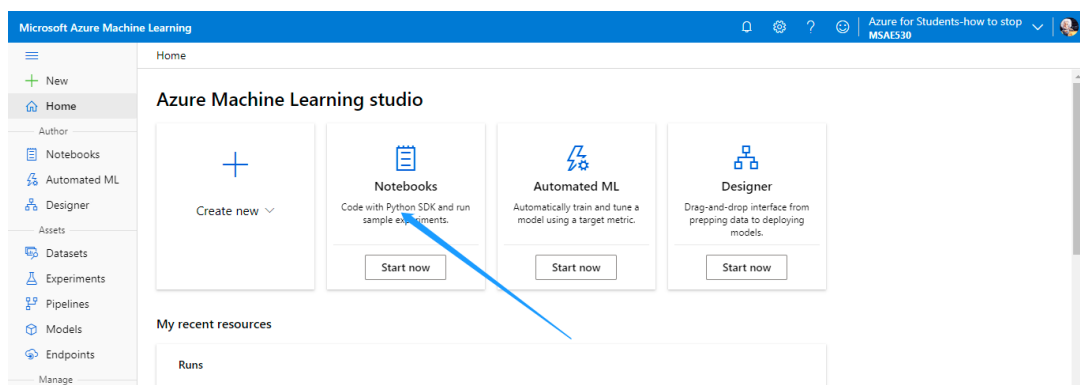
[+ Create a new workspace](#)

[Get started](#)

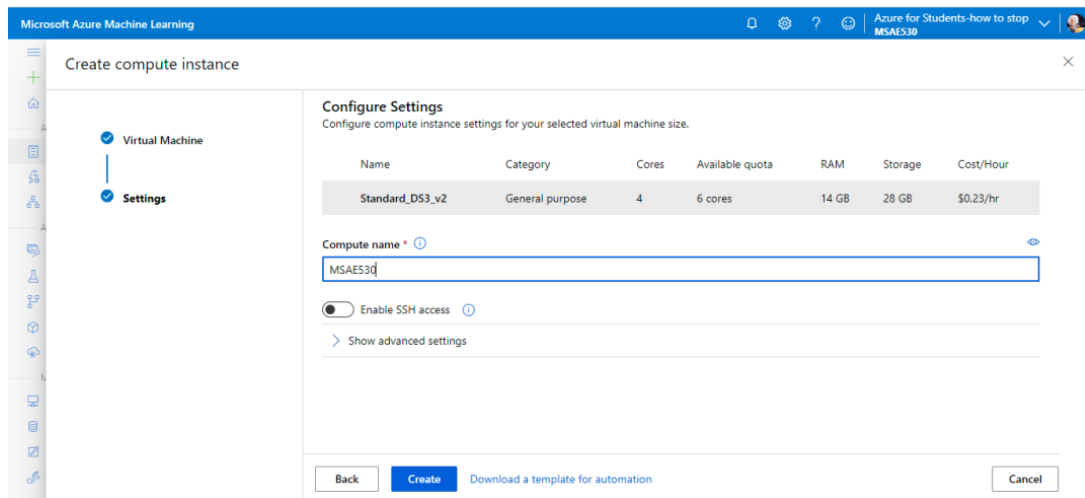
Azure Machine Learning studio is ready.



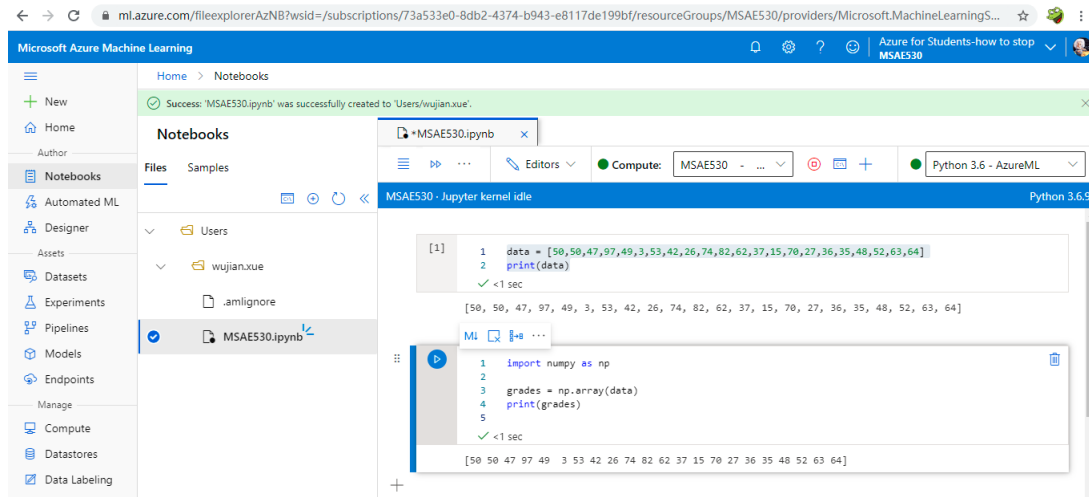
Click on the Notebooks



Create a compute



Write some Python code



5.Explain your experience about sign-up account and your thoughts using cloud service.

As one of the most famous hi-tech companies, Microsoft Azure is very easy to sign up and start, especially you have Hotmail account. In addition, Azure is so generous that it offers \$200 for new users and \$100 for students. This will definitely attract more customers to Azure.

For the cloud services, I'd like to use Azure Machine Learning Studio as an example. I think it make machine learning models easier by changing programming languages such as Python to simply clicking on buttons. Many data manipulations steps are also becoming easier by avoiding lots of coding. However, users still need to understand the machine learning theories to explain the results.

Although now the market share for Azure is not number 1 in cloud computing, I think Azure will also be very popular in cloud computing. When using Azure, it's more convenient to use other Microsoft products. This is the advantage of Azure to AWS.