

# Metropolitan State University

## ICS 432 - 01: Distributed and Cloud Computing

### Fall 2021

#### Activate Your Google Cloud Platform (GCP) Accounts

#### Week-01-August 21, 2021

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We will use the Google Cloud Platform in multiple labs and homework assignments. Since using GCP is not free, we have been approved for a Google Education Grant that gives us credits that we can use throughout the course this semester.

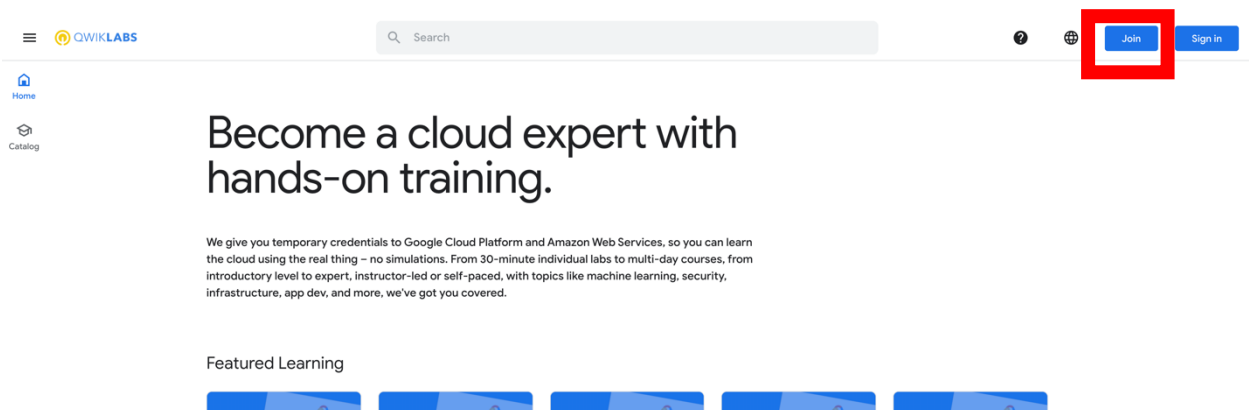
We are going to use GCP through two platforms:

- **Qwiklabs** (<https://www.qwiklabs.com/>) which is platform that provides you with hands-on labs to practice the various GCP cloud services.
- **Google Cloud Platform Education Grants** is a grant that gives each student \$50 GCP credits that can be used on the different GCP services.


This document is a step-by-step explanation on how you can activate your Qwiklabs and GCP accounts.

### Part 1: Create and Activate an Account on Qwiklabs

- 1- Go to Qwiklabs web site using the following link: <https://www.qwiklabs.com/>.
- 2- Click on **Join** in the top right corner.



- 3- Create an account on Qwiklab using your **@metrostate.edu** email account. Fill in the information in the following page and click on **Create account**.



Create account

Sign in with Google

or

First name

Thanaa

Last name

Ghanem

Email

thanaa.ghanem@metrostate.edu

Company

Metropolitan State University


Password

.....

Password confirmation

☒ Send me occasional product updates, announcements, and offers.

☐ I'm not a robot


  
reCAPTCHA  
Privacy - Terms


By joining you agree to our [Terms of Service](#) and our [Privacy Policy](#).

Sign in instead

Create account

- 4- You will receive an email message to activate your account. Click on **Confirm email address**.

 noreply@qwiklab.com  
to me



Confirm your email address on Qwiklabs

Hello! We need to verify that [ics432fall2021.student1@gmail.com](#) is your email address. Tap the button below to confirm:

Confirm email address

**Didn't request this email?**

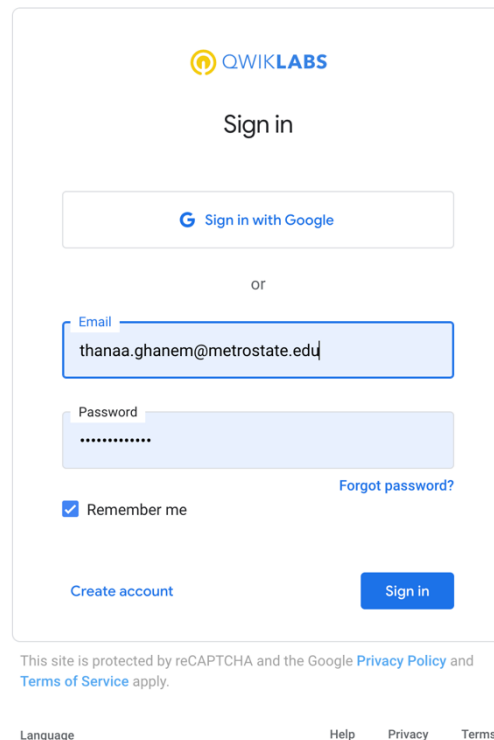
No worries! Your address may have been entered by mistake. If you ignore or delete this email, nothing further will happen.

Thank you,

Qwiklabs Support

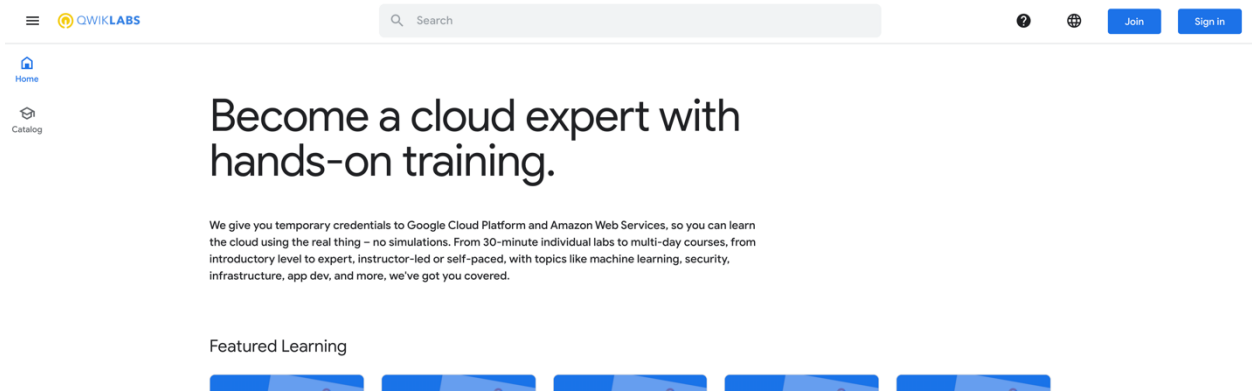
[support@qwiklabs.com](#)

5- Go back to Qwicklabs web site and sign in using your new account credentials.



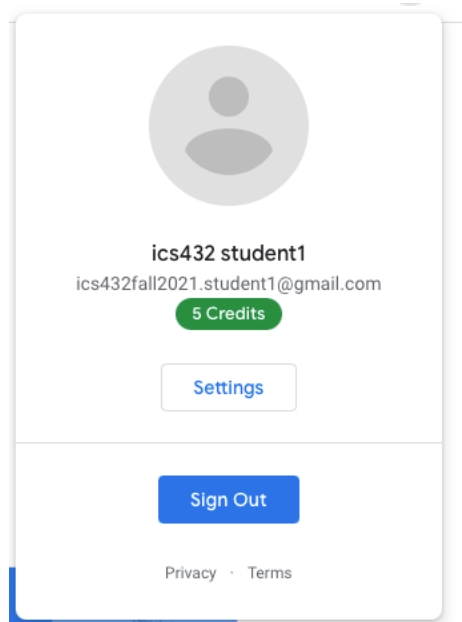
The image shows the Qwicklabs sign-in page. At the top is the Qwicklabs logo. Below it is the heading "Sign in". There is a button labeled "Sign in with Google". Below that is the word "or". There are two input fields: "Email" with the value "thanaa.ghanem@metrostate.edu" and "Password" with masked characters. To the right of the password field is a link "Forgot password?". Below the email field is a checked checkbox labeled "Remember me". At the bottom left is a link "Create account" and at the bottom right is a blue "Sign in" button. Below the sign-in form, a small text line states: "This site is protected by reCAPTCHA and the Google Privacy Policy and Terms of Service apply." At the very bottom, there are links for "Language", "Help", "Privacy", and "Terms".

6- Upon successful sign in, you will be directed to the following Qwiklab main page.



The image shows the Qwicklabs main page. At the top is a navigation bar with the Qwicklabs logo, a search bar, and links for "Join" and "Sign in". Below the navigation bar is a sidebar with "Home" and "Catalog" links. The main content area has a large heading "Become a cloud expert with hands-on training." Below this is a paragraph of text: "We give you temporary credentials to Google Cloud Platform and Amazon Web Services, so you can learn the cloud using the real thing – no simulations. From 30-minute individual labs to multi-day courses, from introductory level to expert, instructor-led or self-paced, with topics like machine learning, security, infrastructure, app dev, and more, we've got you covered." Below this is a section titled "Featured Learning" with five placeholder images for lab cards.

7- In top right corner, click on the account icon and you should be able to see the number of credits you have. Note that this number of credits is shared with the whole class to complete a certain lab so please do not run the lab several times so that you do not waste the credits.



- 8- You can request your own Qwiklab credits by going to the following link fill in the required information. If approved, you will get 200 credits that you can use for extra cloud practice.

[https://edu.google.com/programs/credits/training/?modal\\_active=none](https://edu.google.com/programs/credits/training/?modal_active=none)

## Part 2: Activating Google Cloud Platform Credits

You need to follow the following four steps

- Step 1: Request your GCP Credits Coupon.
- Step 2: Create an Account on GCP using your Metro State email.
- Step 3: Redeem your credits.
- Step 4: Explore GCP Console and Verify your Education Billing Account.

### Step 1: Request your Credits Coupon

- 1- After the first class on August 21, I will register your @metrostate.edu email address to ICS432's grant account and you should receive an email similar to the following email from me. Let me ASAP is you did not receive the email by Monday, August 23.
- 2- Click on the link that is provided in the email.

Dear Students,

Here is the URL you will need to access in order to request a Google Cloud Platform coupon. You will be asked to provide your school email address and name. An email will be sent to you to confirm these details before a coupon is sent to you.

[Student Coupon Retrieval Link](#)

- You will be asked for a name and email address, which needs to match the domain. A confirmation email will be sent to you with a coupon code.
- You can request a coupon from the URL and redeem it until: 12/21/2021
- Coupon valid through: 8/21/2022
- You can only request ONE code per unique email address.

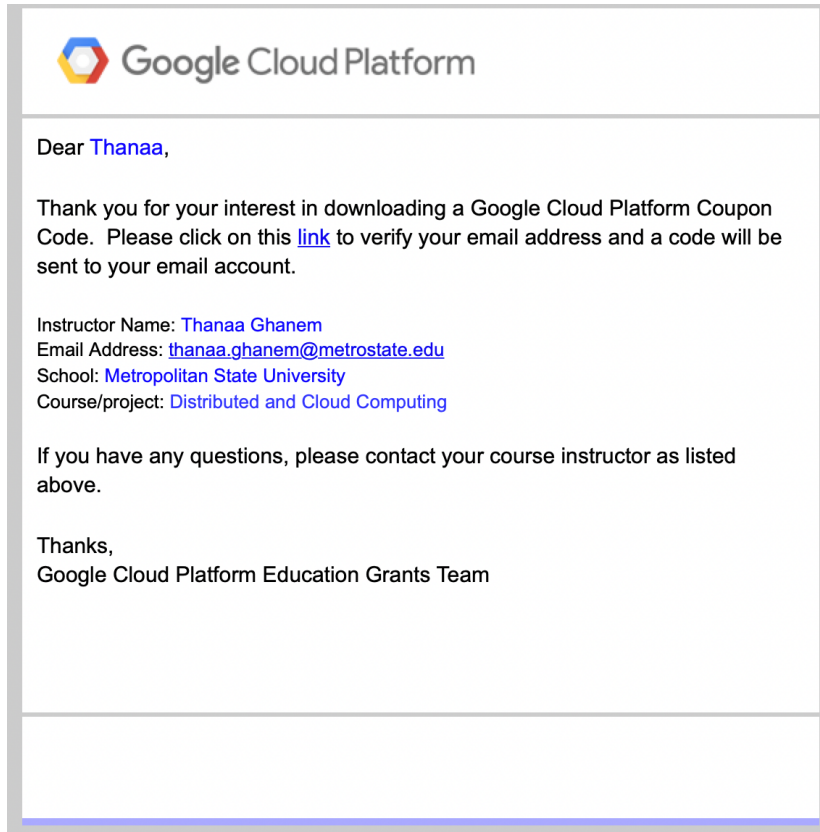
Please contact me if you have any questions or issues.

Thanks,  
Thanaa Ghanem

- 3- You will be directed to the following screen. Fill in the required information and make sure that you use your @metrostate.edu email account. Click on Submit.

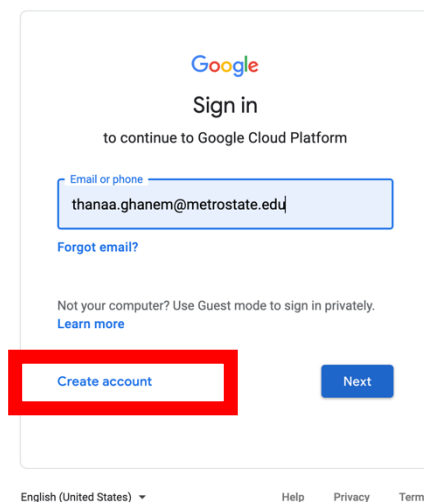
The screenshot shows the Google Cloud Platform Education Grants form. At the top, there is a blue header with the Google Cloud Platform logo and the text "Cloud Platform Education Grants". Below this, a paragraph states: "Use credits provided to you via the Google Cloud Platform Education Grants program to access Google Cloud Platform. Get what you need to build and run your apps, websites and services." The main form area is white and contains the following text: "Thank you for your interest in Google Cloud Platform Education Grants. Please fill out the form below to receive a coupon code for credit to use on Google Cloud Platform." The form has two input fields for "First Name" and "Last Name", and a "School Email" field with a dropdown menu showing "@metrostate.edu". Below the email field, there is a note: "If you do not see your domain listed, please contact your course instructor: thanaa.ghanem@metrostate.edu". At the bottom of the form, there is a "Submit" button. A small "Privacy Policy" link is visible at the very bottom of the page.

- 4- you will receive an email similar to the following email. Click on the provided link to confirm your email.



## Step 2: Create an Account on GCP using your Metro State email

- 1- Make sure to Log out of all your personal gmail accounts before you proceed.
- 2- Create an account on Google using your Metro State email account. On the following screen, write your email address and click on **Create account**.



- 3- Enter the needed information and make sure to use your **@metrostate.edu** email address. Then click on **Next**.

Google

## Create your Google Account

to continue to Google Cloud Platform

First name: Thanaa Last name: Ghanem

Your email address: **thanaa.ghanem@metrostate.edu**

You'll need to confirm that this email belongs to you.

[Create a new Gmail address instead](#)

Password: Confirm:

Use 8 or more characters with a mix of letters, numbers & symbols

☐ Show password

[Sign in instead](#) **Next**

English (United States) Help Privacy Terms

- 4- To complete the creation process, you may receive an email with a verification code. Copy the verification code paste it in the following screen and click **Verify**.

Google

## Verify your email address

Enter the verification code we sent to thanaa.ghanem@metrostate.edu. If you don't see it, check your spam folder.

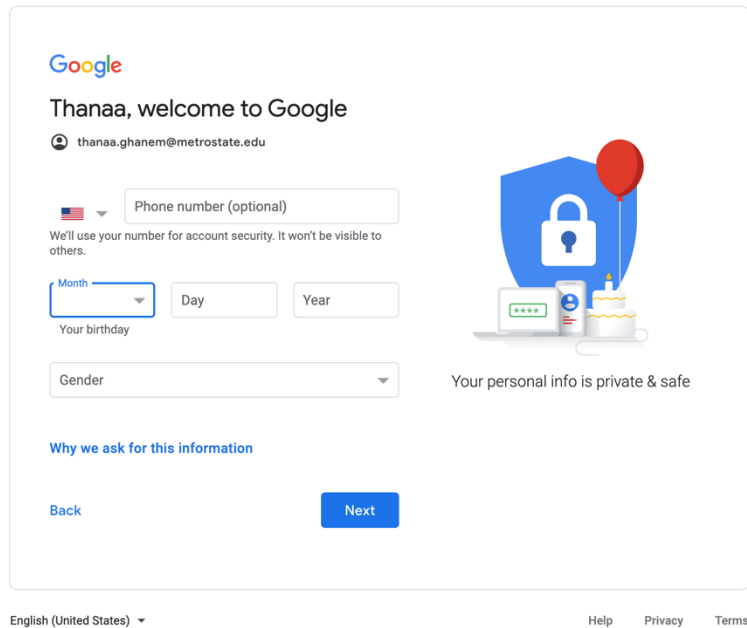
Enter code

**Verify**

Back

English (United States) Help Privacy Terms

5- Fill in the required information in the following page then click on **Next**.



The image shows the Google account creation 'Welcome' screen. At the top is the Google logo, followed by the text 'Thanaa, welcome to Google' and the email address 'thanaa.ghanem@metrostate.edu'. Below this is a section for optional information: a phone number field with a US flag icon and a note 'We'll use your number for account security. It won't be visible to others.', and a birthday section with dropdowns for 'Month', 'Day', and 'Year', and a 'Gender' dropdown. To the right is an illustration of a blue shield with a white padlock, a red balloon, and a laptop. Below the illustration is the text 'Your personal info is private & safe'. At the bottom left is a 'Back' link, and at the bottom right is a blue 'Next' button. At the very bottom of the page are links for 'English (United States)', 'Help', 'Privacy', and 'Terms'.

Google

Thanaa, welcome to Google

thanaa.ghanem@metrostate.edu

Phone number (optional)

We'll use your number for account security. It won't be visible to others.

Month Day Year

Your birthday

Gender

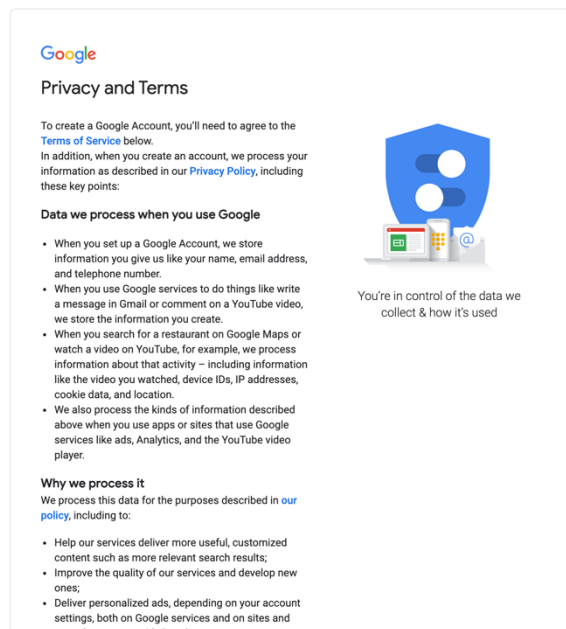
Your personal info is private & safe

[Why we ask for this information](#)

[Back](#) [Next](#)

English (United States) [Help](#) [Privacy](#) [Terms](#)

6- Read the Privacy and Terms page and then click on **'I Agree'**.



The image shows the Google 'Privacy and Terms' page. It starts with the Google logo and the title 'Privacy and Terms'. The text explains that to create a Google Account, users need to agree to the 'Terms of Service' and that Google processes information as described in the 'Privacy Policy'. It then lists 'Data we process when you use Google' with four bullet points: 1) Information given during account setup (name, email, phone number). 2) Information from Google services (Gmail, YouTube comments, etc.). 3) Information from Google Maps or YouTube searches (location, device IDs, etc.). 4) Information from third-party services (ads, analytics, etc.). Below this is the section 'Why we process it', which states that data is processed for the purposes described in the policy, including: 1) Improving services and search results. 2) Developing new services. 3) Delivering personalized ads. To the right is an illustration of a blue shield with two white circles, a laptop, and a document. Below the illustration is the text 'You're in control of the data we collect & how it's used'.

Google

Privacy and Terms

To create a Google Account, you'll need to agree to the [Terms of Service](#) below.

In addition, when you create an account, we process your information as described in our [Privacy Policy](#), including these key points:

**Data we process when you use Google**

- When you set up a Google Account, we store information you give us like your name, email address, and telephone number.
- When you use Google services to do things like write a message in Gmail or comment on a YouTube video, we store the information you create.
- When you search for a restaurant on Google Maps or watch a video on YouTube, for example, we process information about that activity – including information like the video you watched, device IDs, IP addresses, cookie data, and location.
- We also process the kinds of information described above when you use apps or sites that use Google services like ads, Analytics, and the YouTube video player.

**Why we process it**

We process this data for the purposes described in [our policy](#), including to:

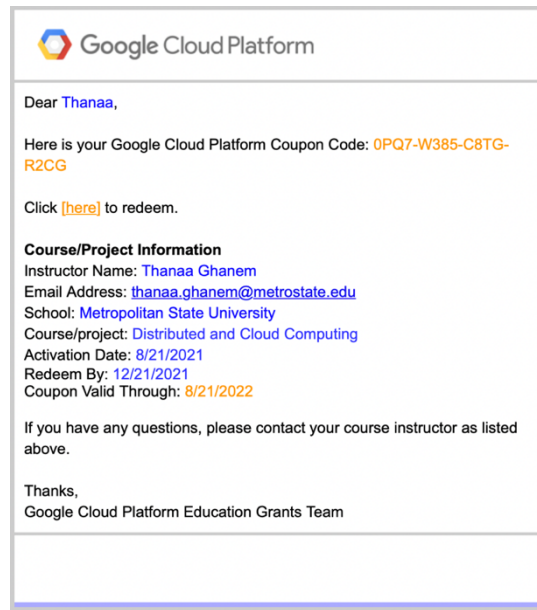
- Help our services deliver more useful, customized content such as more relevant search results;
- Improve the quality of our services and develop new ones;
- Deliver personalized ads, depending on your account settings, both on Google services and on sites and apps that partner with Google.

You're in control of the data we collect & how it's used



### Step 3: Activate your credits

- 1- You will receive an email that is similar to the following email. Copy the coupon code and click on [here] to redeem.



- 2- Copy the Credits Coupon code and paste it in the following screen. The click on **ACCEPT AND CONTINUE**.

A screenshot of the 'GCP credit application' form in the Google Cloud Platform console. The form has a blue header with the Google Cloud Platform logo and a search bar. Below the header, it says 'GCP credit application' and 'Fill in the following information below to apply GCP credits to your account listed below.' The form contains several input fields: 'First name \*' with 'Thanaa', 'Last name \*' with 'Ghanem', and 'Account email' with 'thanaa.ghanem@metrostate.edu'. Below these is a note: 'Credits will be applied to this account. If you'd like to apply credits to a different account, click here.' The 'Coupon code \*' field is highlighted with a red rectangle. At the bottom, there is a 'Terms and conditions' section with a link to 'Terms of Service' and a blue button labeled 'ACCEPT AND CONTINUE'. A small note at the bottom says '\* Indicates required'.

- 3- Read Google Cloud Platform Terms of Service and any applicable services and APIs. Click on **AGREE and CONTINUE**.

**Google Cloud Platform**

**Welcome Thanaa!**

Create and manage your Google Cloud Platform instances, disks, networks, and other resources in one place.

**Country**

United States

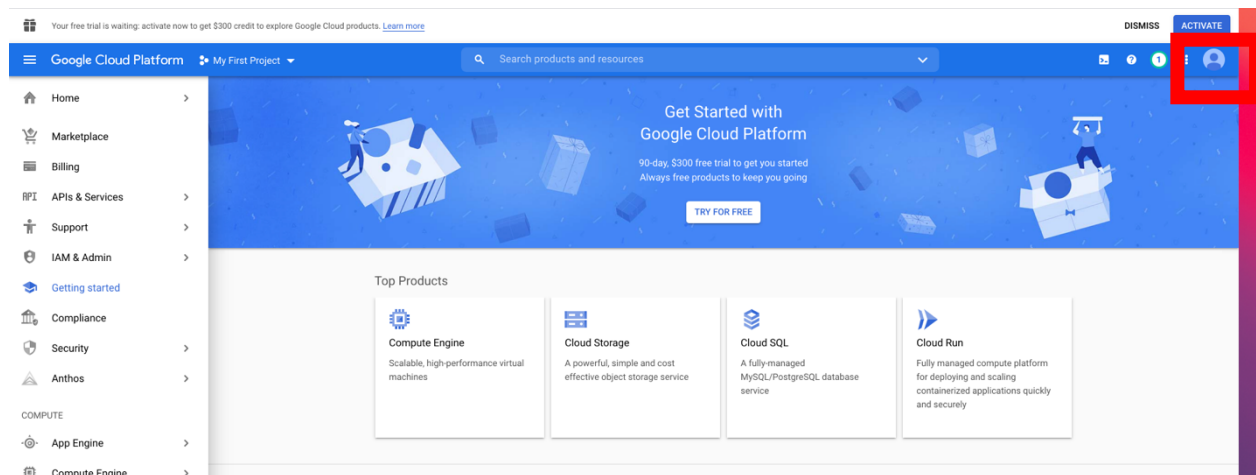
**Terms of Service**

☒ I agree to the [Google Cloud Platform Terms of Service](#), and the terms of service of [any applicable services and APIs](#).

**AGREE AND CONTINUE**

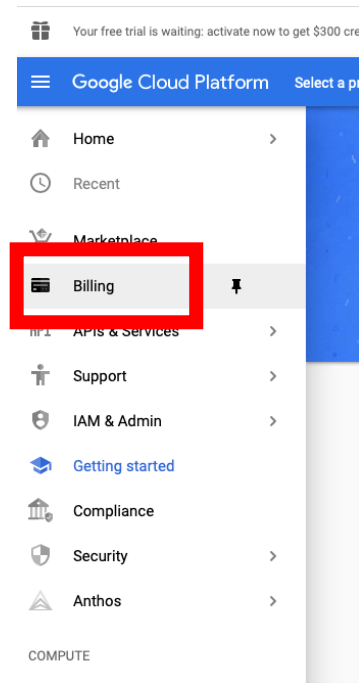
## Part 4: Explore GCP Console and Verify your Education Billing Account

- 1- Go to Google Cloud Console: <https://console.cloud.google.com> **IMPORTANT: Click on the account symbol on the top right corner of the screen and make sure that the account email is your Metro State email address and not your personal gmail account.**
- 2- The main console screen should be similar to the following figure.



- 3- Click on **DISMISS** at the top right corner of the page to cancel the Free Trial option. If you click on **ACTIVATE**, it will ask you to enter your credit card details. **NEVER ENTER YOUR CREDIT CARD DETAILS to avoid unforeseen charges.**

4- From the left menu, click on Billing.



5- The following Billing page will open that shows that the Billing account as 'Billing Account for Education' and on the bottom right you should see your \$50 credits.

