

# Github Student Developer Pack & DigitalOcean

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# CONTENIDO

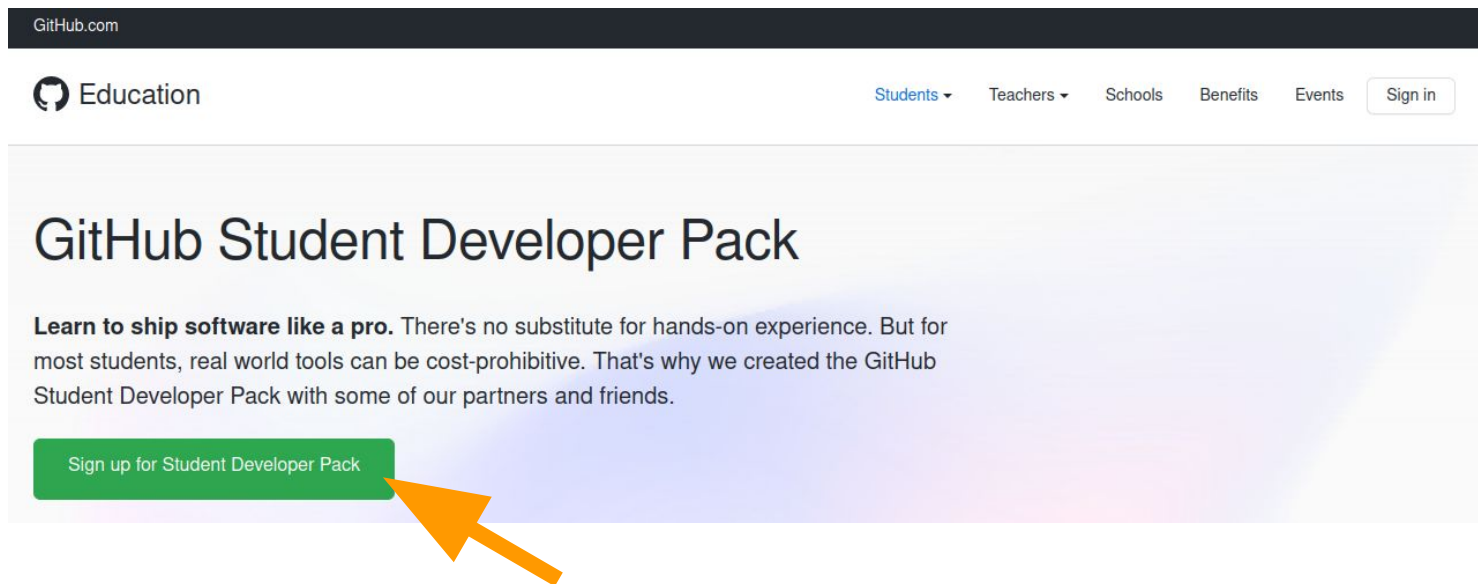
**Github Student Developer Pack**

**Digital Ocean**

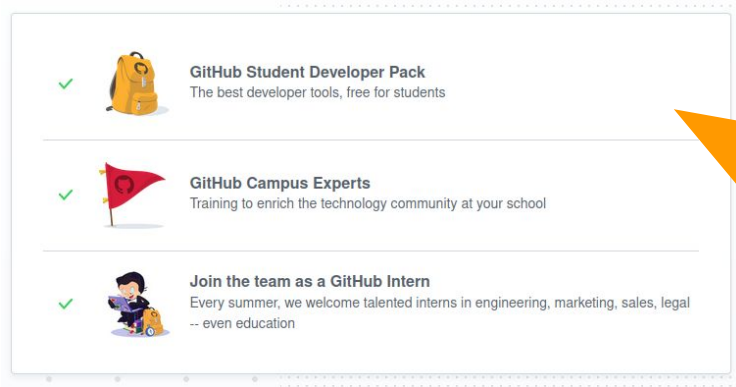
# Github Student Developer Pack

Vamos a:

<https://education.github.com/pack/join>



# Github Student Developer Pack



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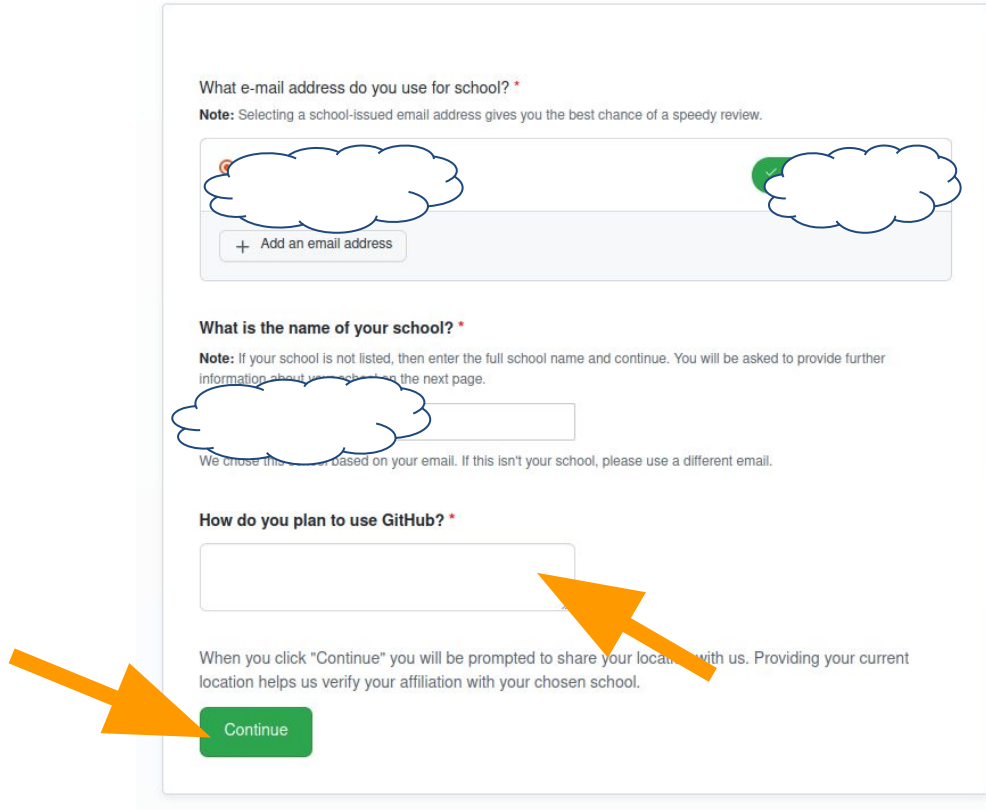
## Are you a student?

The GitHub Student Developer Pack is only available to students aged 13 or older.

Before you receive access to the offers we need to [verify that you are a student](#). Teachers, researchers, faculty, staff, and other educational users can [get free and discounted access to GitHub](#), but are not eligible for the Pack. If you're not a student, you can still request a regular GitHub for education discount.

Yes, I'm a student

# Github Student Developer Pack



What e-mail address do you use for school? \*

**Note:** Selecting a school-issued email address gives you the best chance of a speedy review.

☒

+ Add an email address

What is the name of your school? \*

**Note:** If your school is not listed, then enter the full school name and continue. You will be asked to provide further information about your school on the next page.

We chose this school based on your email. If this isn't your school, please use a different email.


How do you plan to use GitHub? \*

When you click "Continue" you will be prompted to share your location with us. Providing your current location helps us verify your affiliation with your chosen school.

# Github Student Developer Pack

**Please upload proof of your academic status.**

Snap a picture of your qualifying proof of current academic status using your HD webcam or smartphone camera.



Use your computer's camera to take a picture now.

Take a picture

**Already have an image?** We accept JPEGs of at least 1024x768 resolution between 100KB and 10MB in size.

Upload an image

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Please note, your request cannot be edited once it has been submitted, so please verify your details for accuracy before sending them to us. After clicking "process my information", please wait as processing can take several seconds.

Process my application Cancel

# Github Student Developer Pack

- Una vez nos lo concedan, vamos a “Github education” y accedemos a “Your benefits”.

## Student Developer Pack offers

Popular offers you have not explored:



[Explore More Offers](#)

Curated Experiences with popular offers:

Primer: Codespaces

Hackathon in the Cloud

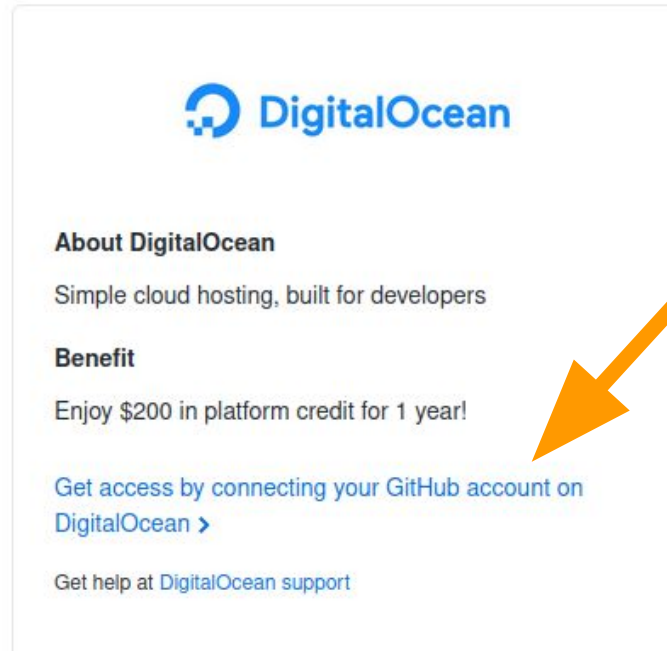
Virtual Event Kit

Intro to Web Dev

Aspiring Creatives

# Github Student Developer Pack

- Vamos abajo a buscar “All offers” y buscamos Digital Ocean.





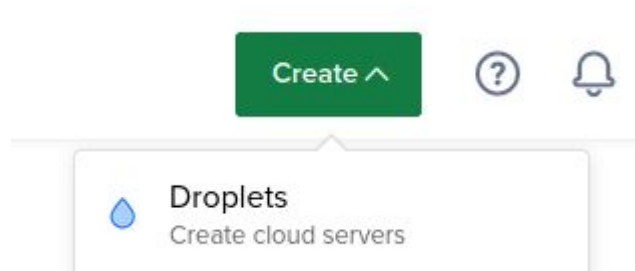
# Github Student Developer Pack

- Tenemos que crear una cuenta en DigitalOcean CON NUESTRA CUENTA GITHUB. Además, debemos tener nuestro correo universitario en Github.
- Nos pedirá meter una tarjeta de crédito o Paypal. Este pago nos lo devuelven, es sólo una confirmación.
- Si lo hemos hecho bien, en la sección “Billing” de DigitalOcean se mostraría el crédito que tenemos. Similar a este caso en el que ya se ha usado algo:

Available Credit: \$199.22			
Applicable credits will be applied on your next months invoice. <a href="#">Learn More</a>			
Description	Expiration	Initial	Available
GitHub Student Pack	January 19, 2024	\$200.00	\$199.22
Account credits do not apply to <a href="#">Add-Ons</a> .			

# Digital Ocean

- Vamos a crear un **droplet**: una máquina con IP pública donde colgaremos nuestras páginas.












# Digital Ocean

- Escogemos la región y centro de datos.

## Create Droplets

Droplets are virtual machines that anyone can setup in seconds. You can use droplets, either standalone or as part of a larger, cloud based infrastructure.

### Choose Region

 New York	 San Francisco	 Amsterdam
 Singapore	 London	 Frankfurt
 Toronto	 Bangalore	 Sydney

### Datacenter

London • Datacenter 1 • LON1



**Tip: Select the datacenter closest to you or your users**

Avoid any potential latency by selecting a region closest to you - a region is a geographic area where we have one or more datacenters.

[Dismiss](#)

# Digital Ocean

- El sistema operativo.

## Choose an image

OS Marketplace Custom images



Version

20.04 (LTS) x64 ▼

# Digital Ocean

- Con el plan básico será suficiente.

## Choose Size

Need help picking a plan? [Help me choose](#) 

### Droplet Type

SHARED CPU	DEDICATED CPU			
Basic (Currently selected)	General Purpose	CPU-Optimized	Memory-Optimized	Storage-Optimized

# Digital Ocean

- También escogeremos un plan barato para que el crédito nos dure. En caso de necesitarlo podemos pasarnos a otro con más capacidad.

## CPU options

<input checked="" type="radio"/> <b>Regular</b> Disk type: SSD	<input type="radio"/> <b>Premium Intel</b> <span>NEW</span> Disk: NVMe SSD	<input type="radio"/> <b>Premium AMD</b> <span>NEW</span> Disk: NVMe SSD
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<b>\$4/mo</b> \$0.006/hour	<b>\$6/mo</b> \$0.009/hour	<b>\$12/mo</b> \$0.018/hour	<b>\$18/mo</b> \$0.027/hour	<b>\$24/mo</b> \$0.036/hour	<b>\$48/mo</b> \$0.071/hour
512 MB / 1 CPU 10 GB SSD Disk 500 GB transfer	1 GB / 1 CPU 25 GB SSD Disk 1000 GB transfer	2 GB / 1 CPU 50 GB SSD Disk 2 TB transfer	2 GB / 2 CPUs 60 GB SSD Disk 3 TB transfer	4 GB / 2 CPUs 80 GB SSD Disk 4 TB transfer	8 GB / 4 CPUs 160 GB SSD Disk 5 TB transfer

# Digital Ocean

- Nos detendremos en esta opción para crear una clave SSH con la que autenticarse.

## Choose Authentication Method ?



### SSH Key

Connect to your Droplet with an SSH key pair



### Password

Connect to your Droplet as the "root" user via password

### Add a public SSH key

SSH keys are a more secure method of logging into an SSH server, because they are not vulnerable to common brute-force password hacking attacks.



We can walk you through setting up your first SSH key

[Add SSH Key](#)

Click aquí



# Digital Ocean

- Se abrirá el siguiente recuadro que contiene una ayuda para crear la clave SSH. Vamos a abrir también una terminal.

## Add public SSH key

Copy your public SSH key and paste it in the space below. For instructions on how, follow the steps on the right.

SSH key content \*

Name \*

Add SSH Key

## SSH Keys

Follow these instructions to create or add SSH keys on Linux, MacOS & Windows. Windows users without OpenSSH [can install and use PuTTY](#) instead.

### Create a new key pair, if needed

Open a terminal and run the following command:

```
ssh-keygen
```

Copy

You will be prompted to save and name the key.

```
Generating public/private rsa key pair. Enter file in which to save
```



# Digital Ocean

- Vamos a nuestro directorio raíz, introducimos el comando “ssh-keygen” y luego le damos a Enter hasta terminar.

> cd

> ssh-keygen

(pulamos Enter a todo)

- En la carpeta oculta “.ssh” encontraremos la clave creada. Copiaremos la clave pública (id\_rsa.pub) en DigitalOcean, en el siguiente recuadro:

## Add public SSH key

Copy your public SSH key and paste it in the space below. For instructions on how, follow the steps on the right.

SSH key content

Name

Add SSH Key

# Digital Ocean

- También le podemos dar un nombre a la máquina y un tag descriptivo.

## Finalize Details

### Quantity

Deploy multiple Droplets with the same configuration.

—	1 Droplet	+
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### Hostname

Give your Droplets an identifying name you will remember them by.

ubuntu-s-1vcpu-1gb-lon1-01
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### Tags

dawe	Type tags here
------	----------------

# Digital Ocean

- Tardará un poco en crearla. Después tendremos la IP disponible para conectarnos vía SSH.

DROPLETS (1)



- Para conectarnos al servidor, abrimos una terminal y usamos:

```
> ssh root@<IP que has copiado>  
(y dile "yes")
```

# Digital Ocean

- Podemos subir un fichero usando el comando “scp”.

```
> scp <nuestro fichero> root@<IP que has copiado>:/<ruta>
```

- O bien subir varios archivos:

```
> scp -r <nuestro ficheros> root@<IP que has copiado>:/<ruta>
```

- Para crear nuestro servidor seguiremos los pasos dados para crear un servidor local con node.

# Digital Ocean

- **Recordad borrar todos vuestros droplets de Digital Ocean tras la evaluación de la última entrega. Si no lo hacéis os cobrarán una pequeña cantidad de dinero pasado cierto tiempo.**