

# ENI Summer School Web System Development

Introduction

# Campus Practicalities

- The RGU network has a firewall. This generally prohibits anything that isn't https. You will need to know this for web dev!



# This lecture covers:

- Things you should know about this week

# Learning Outcomes

1. Know what a web system is (frontend, server, database)
2. Know the software frameworks that can constitute a “stack”
3. Have *practical* experience implementing web systems, including front end and server side



# Web dev you have done already

- HTML
- CSS
- JavaScript
- JSX TypeScript C#
- Node PHP
- Nginx Apache
- AWS Vercel CloudFlare etc.

# What do you want?

- Your own website?
- A blog?
- A business website (shop)?
- Knowledge?



# Labs

- Scheduled to be in this room for the whole week
- Work at your own pace - don't worry if you can't "keep up"
- You can use your own computer to do the labs. It **should** be possible to do all the labs without RGU computing resources. But it might be that you have to sign up to cloud platforms to do this (and that will likely require a credit card).

# Virtual Machines

- You will get a virtual machine on campus (Ubuntu). You access it with RDP or SSH. You will not be able to work on it from home.



# Tools

## GitHub (or gh)



# Tools

A code editor  
and  
terminal  
(IDE)



# Etiquette

- Be fearless in asking questions.
  - You can physically raise your hand during labs *and* lectures
  - Or you can wait and ask a question later
- Be kind to other people who ask questions.