



Meet The Team



Ben Tristem - GameDev.tv CEO

Originally designed the course in 2015.



Gavin "TeslaDev" Milroy - Partner Instructor

Briefly with GameDev.tv in 2019.



Mike Bridges - Senior Founding Instructor

Also known for his Blender courses.

Live Google Slides at https://gdev.tv/uc2slides

Get The Most From The Course

- Do all the challenges when you see them
- Visit the Google Slides at gdev.tv/uc2slides
- Become an active community member
- Become a problem solver
- Stay positive & work hard.



You Are NOT Alone

- We have a world-class community forum
- You can Talk, Show or Ask
- Use code formatting in the forum
- Include screenshot(s)
- For instant help there's Discord chat server.



Join At Least One Community

- Community forum site
- Discord live chat server
- Unreal Facebook Group
- Our Twitch channel
- Our YouTube channel
- GameDev.tv on Twitter
- All links in lecture resources.



How To Ask Good Questions

- Paste exact error text into Google first
- If you still need help, include error with code
- Make the problem reproducible
- Short as possible, long as necessary
- Answer other people's questions.







What is a Compiler?

- We want to speak "English"
- AKA a "high level language"
- The computer wants binary
- Text gets converted to binary
- This is called compilation





Unreal Development Environment





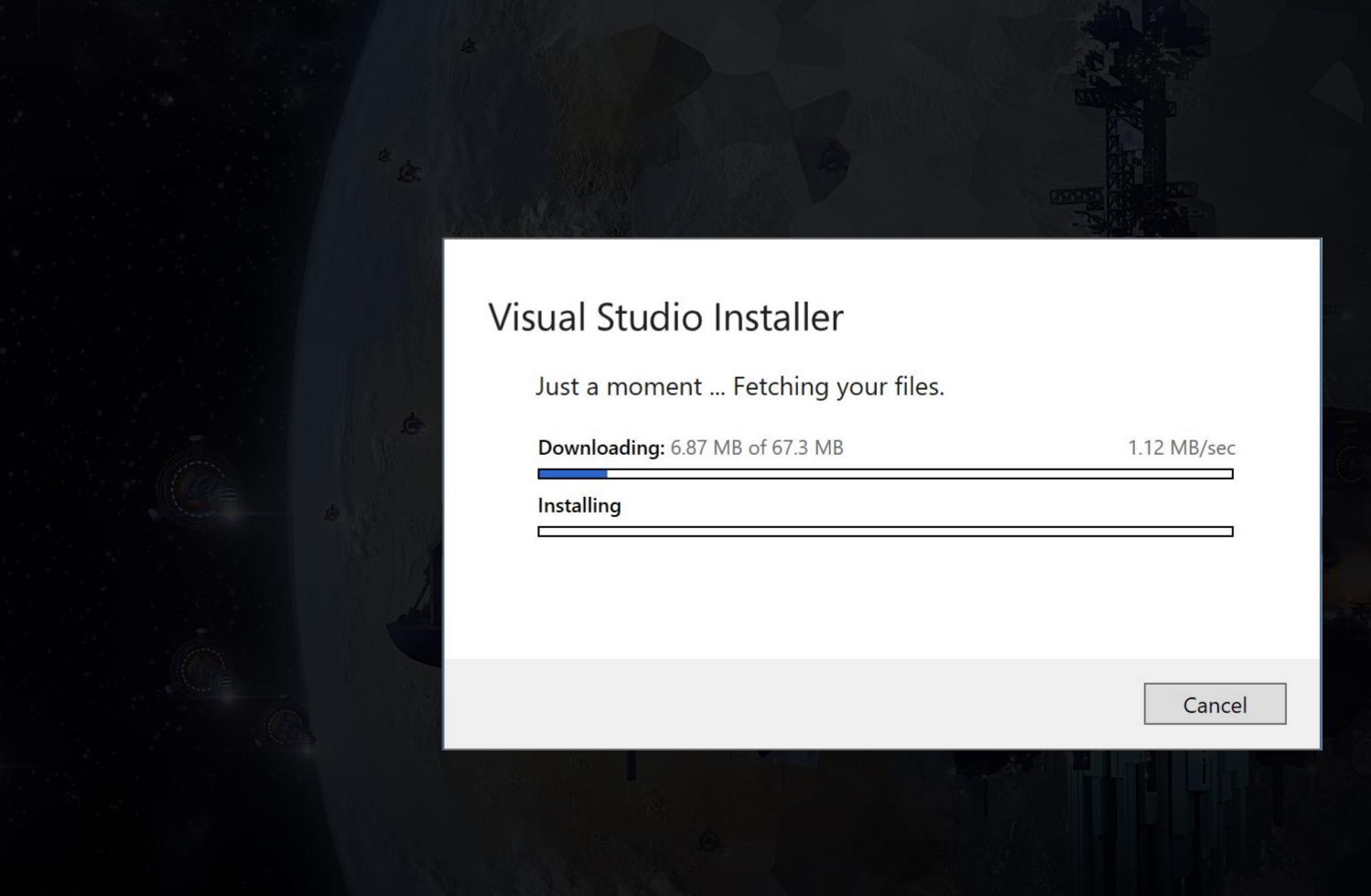






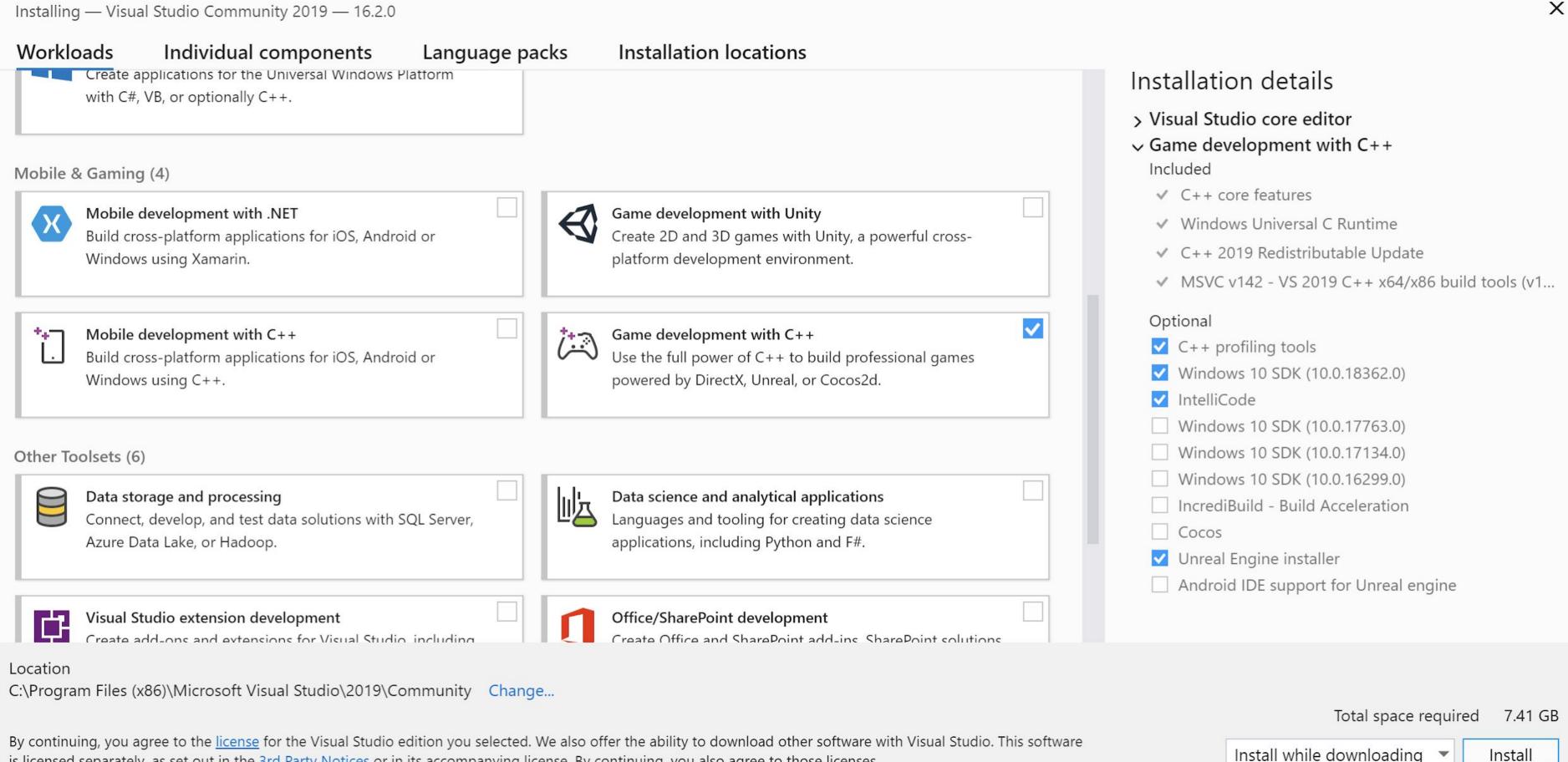
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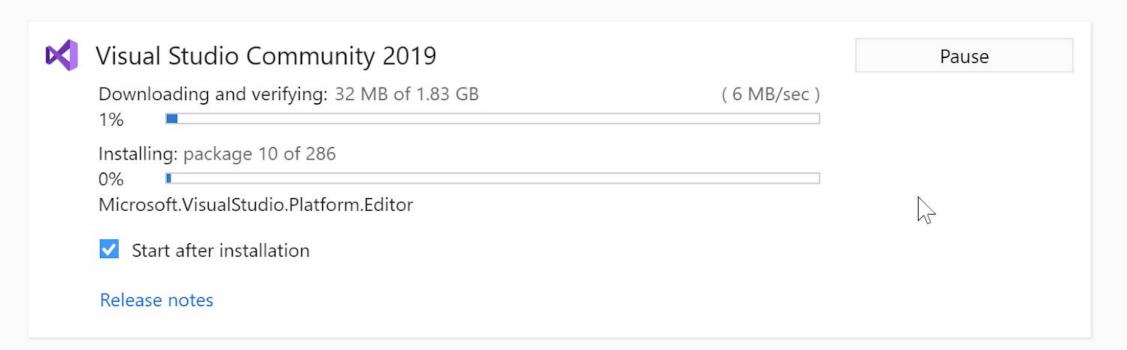
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Visual Studio Installer

Installed Available



Developer News

Visual Studio 2019 version 16.2 Generally Available and 16.3 Preview 1

Today we are making Visual Studio 2019 version...

Thursday, July 25, 2019

Skill up on Visual Studio 2019 with Pluralsight

With the launch of Visual Studio 2019 in April, w...

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Announcing Entity Framework Core 3.0
Preview 7 and Entity Framework 6.3 Preview 7

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View more online...

Need help? Check out the <u>Microsoft Developer</u> <u>Community</u> or reach us via <u>Visual Studio Support</u>.

Installer Version 2.2.3073.701

Visual Studio Installer

Installed

Available



Visual Studio Community 2019

16.2.0

Free, fully-featured IDE for students, open-source and individu

Release notes

Visual Studio

Welcome!

Connect to all your developer services.

Sign in to start using your Azure credits, publish code to a private Git repository, sync your settings, and unlock the IDE.

Learn more

Sign in

No account? Create one!

Not now, maybe later.

Developer News

X

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- Get VS Community 2019 installed
- Help each other in the community.







Unreal Development Environment











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XCode & Epic Games Launcher

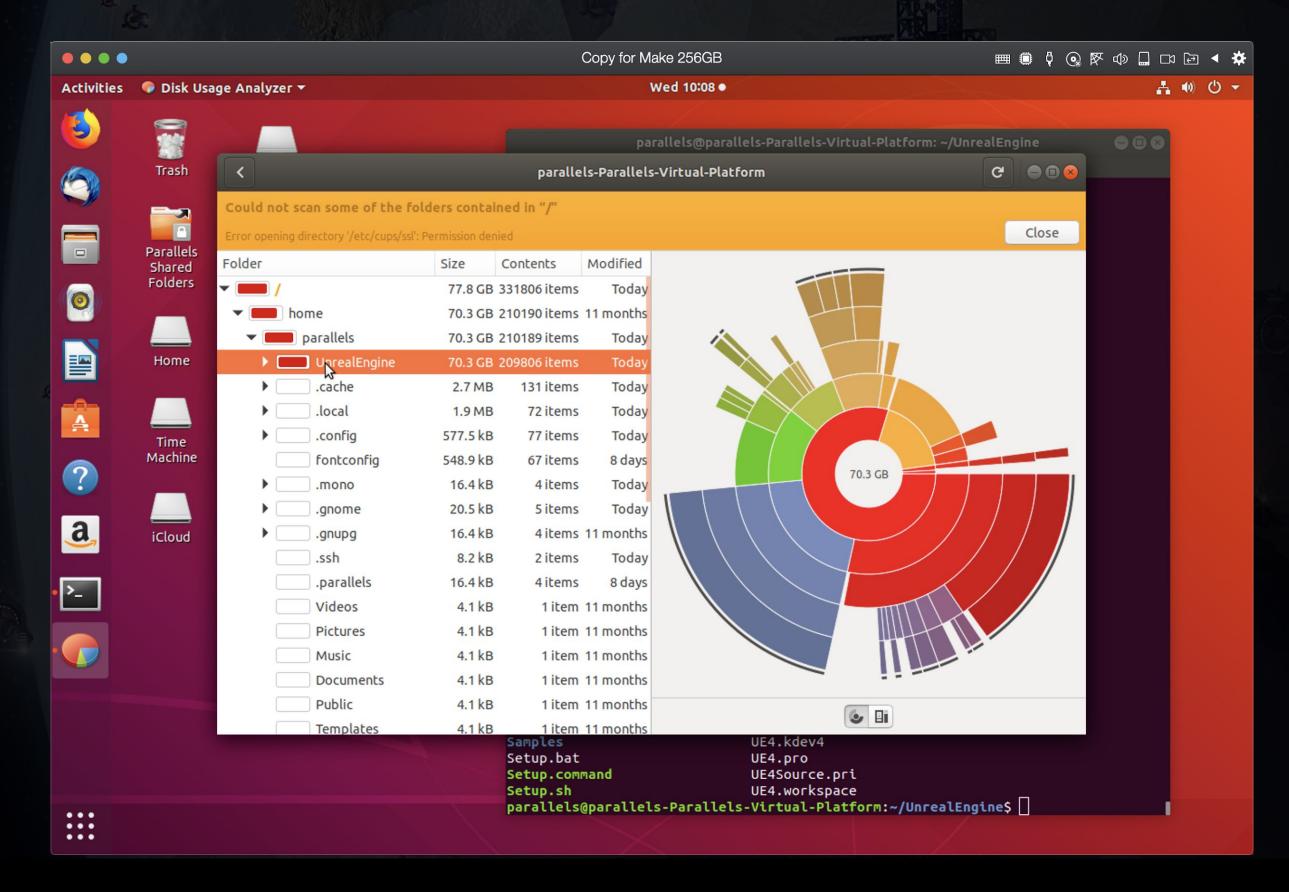
- Get Xcode installing from the App Store
- Agree to terms and conditions
- If slow broadband let it finish, else continue
- Also get Epic Games Launcher installing
- Will use it soon to get Unreal downloading
- Help each other in the community.







Have 70 GB+ Free

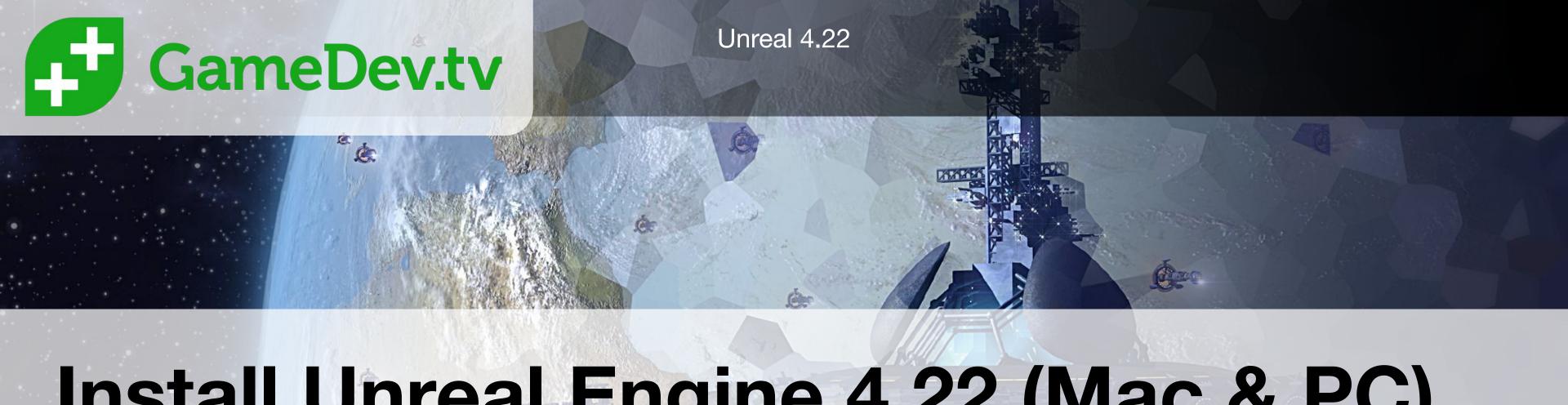




Build Unreal From Source

- 1. sudo apt install g++ git make -y
- 2. git clone --single-branch --branch 4.22
 https://github.com/EpicGames/UnrealEngine.git
- 3. Create GitHub "Personal Access Token" with "repo" access (or use SSH)
- 4. cd UnrealEngine
- 5. ./Setup:sh (register Unreal file types when asked)
- 6. ./GenerateProjectFiles.sh (much faster)
- 7. make will take some time (add -j x to set x jobs). Have 100GB+ free.
- 8. cd Engine/Binaries/Linux/thenrun./UE4Editor Celebrate!
- 9. Vulkan warning? Update or ./UE4Editor -opengl
- 10. Write-down start time & share build-time & specs with community!





Install Unreal Engine 4.22 (Mac & PC)



Start Unreal 4.22 Downloading

- Linux users can skip this video
- Use the Epic Games Launcher
- Download Unreal Engine 4.22.X (X doesn't matter)
- Carry-on with the course during download
- Can resume following restart if required.

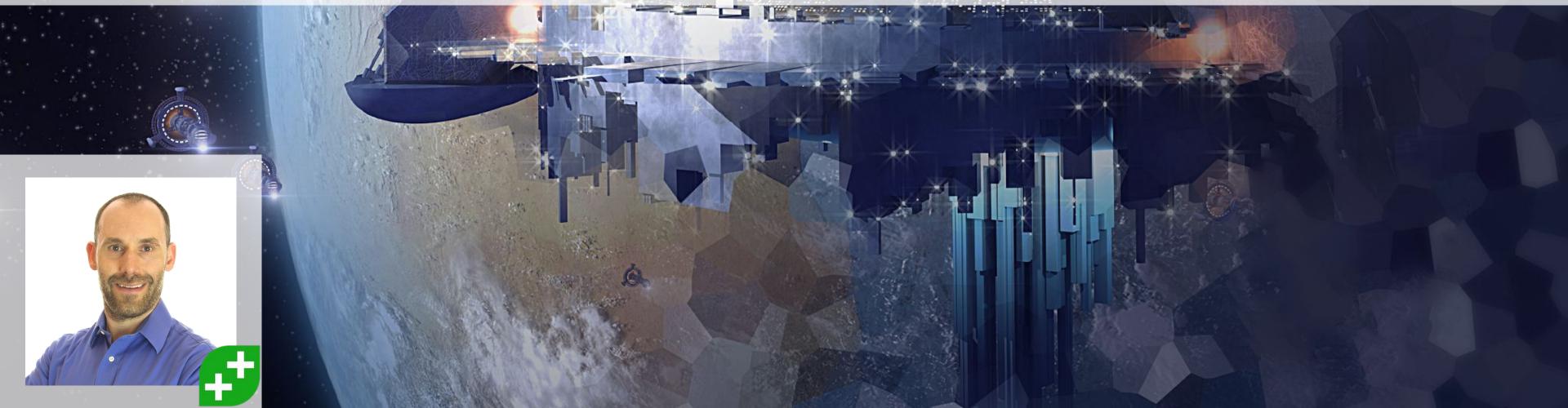


Why Are YOU Taking This Course?

- Share your hopes with your peers
- Why did you buy the course?
- What do you hope to build / learn / create?
- This isn't going to be easy
- What's going to keep you going?

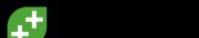






Why Also Install VS Code?

- Fast, Free and Familiar
- Supported in Unreal since 4.18
- The same on Windows, MacOS & Linux
- About 10x smaller to download
 - Please use the same drive as VS Community
- Can extend to our needs later.



Install VS Code

- Get VS Code installed
- Add the Microsoft C/C++ extension
- Watch-on for tips & testing.



VS Code Survival Tips

- Preferences: Color Theme from cog or...
- View > Command Palette to access anything
- Tick File > AutoSave to save your sanity
- Compiling code is separate to running it
- VS Community or Xcode optional alternative.



Extra VS Code Setup on MacOS

- For compiler to work on MacOS you'll need to
- Launch VS Code from your terminal with code
- Make that possible like this...

```
>shell command: Install 'code' command in PATH
Shell Command: Uninstall 'code' command from PATH
```



