

What is Game Development?

Game development is how games like Call of Duty and Fortnite are made so that we can play them! These games are the result of several different disciplines coming together to make something they care about like:

- Programming
- Art and Music
- Level Design
- Etc.



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Resource Guide



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Game Engines

Unity

One of the most popular free engines out there. This engine has been used to make amazing games like Cuphead! The engine has a very low barrier of entry so that anyone can just get in and start making games.

Unreal Engine

Another one of the most popular free engines available. This is seen as the natural next step for those ready to take game development seriously. The engine is written in C++ and allows for people without experience in coding to make games as well!

Godot

Several games in the club have been made using this engine that uses a custom scripting language to make diverse 2D games.

GameMaker Studio

A very popular engine for people who want to make 2D games. This is also a very good starting point since so many of the processes are made as simple as possible.

Art

Blender

This is the go-to application for anyone who wants to start creating art as soon as possible. Blender offers traditional 3D modeling tools and has recently added sculpting as well!

Krita

For those who aren't ready to give all their money to Adobe, Krita is the tool for you. Krita is a 2D art application more focused on traditional line art with some of the features you'd expect.

Photopea

Another useful resource for those who need an image editing tool is the website Photopea. It gives you all the resources of Photoshop inside your browser!



Other Resources



Audacity

This is the most popular free option for doing simple audio engineering. This will allow you to create and edit all those fancy sound effects for your games!

Mixamo

This is Adobe's own free online service that allows you to animate any 3D model you have! Don't spend hours tuning individual frames of animations when this website can do it for you