

Game Developer & Computer Programmer

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What is a Game developer?



Game developer is the person that helps transform game from a concept to a playable reality.

Anyone who creates a game or created a game is called a game developer.

Responsible for designing and developing video games for PC, console, and mobile.



What is a computer programmer?

Programmers write, modify, and test code and scripts that allow computer software and applications to function properly.

Professionals that give instructions to a computer through lines of codes which allows applications and software programs to work and operate successfully.



Responsibility



Game developer

Meeting	Meeting with the design team to discuss game concepts
Translating	Translating ideas into efficient code
Creating	Creating unique storyline and character
Maintaining	Maintaining code and fixing bugs
Coding	Coding base engine of the game

Programmer

- Writing and testing new codes for programs everyday
- Fixing or updating programs that already exist



Requirements

Game developer

- Bachelor's degree in computer science or software engineering.
- Good knowledge of coding languages like c++, java or c.
- Knowledge of the newest gaming trends and technologies.
- Ability to solve complicated problems using best practices.

Programmer

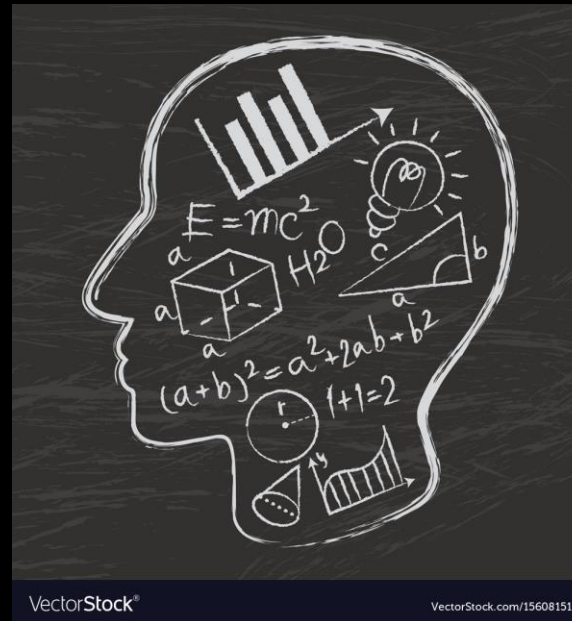
- Bachelor's degree computer and information technology
- Completion of college program in computer science
- Knowledge of coding languages like python, HTML, CSS etc.



Skills

Developer

- They need creativity to make a unique game
- A passion of gaming
- Have a good teamwork
- Proficiently in programming languages



Programmer

- Proficiently in programming languages
- Mathematic skills
- Problem solving capability
- Communication and writing skills

Salary

Developer

- They make **\$80,000 per year** or **\$41.03 per hour**
- **most experienced workers make up to \$106,125 per year**

Programmer

- They make **\$53,625 per year** or **\$27.50 per hour**
- **Most experienced worker can make \$76,911 per year**



Future possibilities

Developer

Game developers predict streaming will become the dominant platform by 2025. I think the gaming community will be as strong as now. There are many people in this world who need a distractions from this world if there are people like that there will be need for a game developer make games for them.



Programmer

Coding skills are in high demand around the world. There are so many computer building every day, to code those computer there will be need for a computer programmer. Not just a computer there is so many functions that need to be coded so it is a high demand job and it's not going anywhere.

Reason I choose this?



The reason I choose this topic to become a game developer was because I like to play video games and I like to watch others play video games. I find playing games relaxing and fun. When I made games in computer programming, even though it was difficult and frustrating it was fun and challenging at the time. The games I made it wasn't that good so it would be good to learn to make games that are playable.

The reason I choose computer programmer is because it's my second option, if I don't become game developer, I will do this. I don't really have an interest in this the reason I choose this as my second option is because my cousin is planning to become a programmer so that way if I become this, he can help me.



Programs for game developer



Advanced Game Development is a program in Bow Valley college in Calgary. To get in this college I will need to have High School Diploma Or English 30-1, English 30-2 Or Satisfactory results on the Bow Valley College admission test. In the first term I will learn game design, technical design, environmental art and game programming 1. This program is 2 years long and have six terms. In different terms I will learn everything about making a game. The tuition fees are for domestic students is \$38,411 and for international students it is \$67,699.



Program for computer programming

Computer science (BSc) is a program in UBC at Vancouver BC. To get to this program in grade 12 I will need to take English 12, pre- Calculus 12, Chemistry and physic 12 and I will have to take the same classes for grade 11. This program is for 4 years and for the first year I will learn Computation, Programs, and Programming Models of Computation and Differential Calculus with Applications to Physical Sciences and Engineering Integral Calculus with Applications to Physical Sciences and Engineering. To get in the program I will need to have a high school diploma and have minimum of 70% in Grade 11 or Grade 12 English and at least six academic/non-academic Grade 12 courses.



Computer Science

Bibliography

Image

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THANK YOU!

