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Video games have come a long way since they crossed into the mainstream in the 1980s, but some amazing advances in their tech have made the future of gaming even brighter. Here are a few examples.

1. FACIAL RECOGNITION

3D scanning and facial recognition technology allows systems to actually create your likeness in the gaming world (so you can create a custom avatar that looks just like you), or to inventively transfer your own expressions to other digital creations. On top of that, the Intel® RealSense™ 3D camera could allow developers to create games that adapt to the emotions of the gamer by scanning 78 different points on a person’s face. For example, a few grimaces at your game screen means the system would dial down the game’s difficulty instantly.

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2. VOICE RECOGNITION

Too lazy to pick up that controller? No problem! Voice controlled gaming has been around for a while, but the potential of using the technology in gaming systems has finally caught up to reality—computers are now able to easily recognize voice commands from the user. Not only can you turn the console on and off using this tech, but you can also use voice commands to control gameplay, interact on social media, play selections from your media library, or search the web, all by simply talking to your gaming system.

3. GESTURE CONTROL

Or, get rid of your controller altogether! Intel RealSense technology allows you to play first person shooter games—or simply interact with your device—with just a few waves of your hand. Using a 3D camera that tracks 22 separate points in your hand, gesture control allows users to connect with their gaming experience by using the natural movements of your body. For example, the game Warrior Wave employs RealSense

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