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## Using artificial intelligence to create frictionless motion capture

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Wrnch Inc., Canada

**M**otion Capture has revolutionized computer graphics by making 3D animation incredibly lifelike. Notwithstanding this enormous success, the prohibitively high set up and operating costs of traditional motion capture techniques, limits its use only to the largest 3D content creators. In this talk, we describe how deep learning can overcome these barriers and turn any cell phone camera into a production ready motion capture system..

### Biography

Colin Brown is a computer vision scientist at Wrnch Inc. working on deep learning models for activity recognition. He completed PhD in the Medical Image Analysis Lab at Simon Fraser University, where his research focus was on methods to extract salient information from diffusion tensor images of the brain. Combining creative and analytical thought to make something new excites him. Broadly, his interests lie in image analysis, computer vision, machine learning, video games, rendering and game design.

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