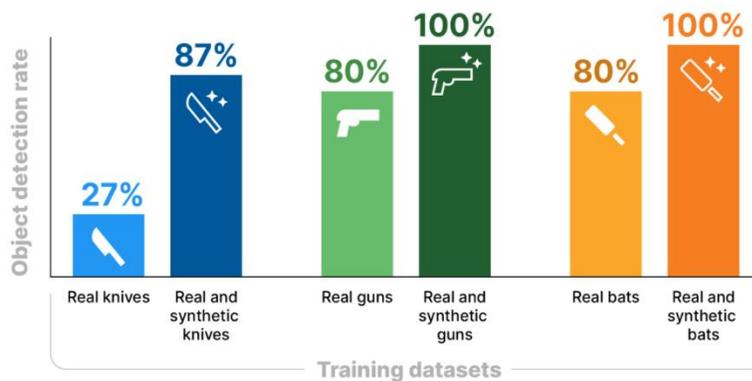


## Accelerating AI development with computer graphic-based training data generation with Unity

Case-study announced at NVIDIA GPU Technology Conference 2021



Neural Pocket Inc. (hereinafter referred to as "Neural Pocket") is pleased to announce that Unity Technologies, which develops the eponymous Real Time 3D engine will introduce a use case on Neural Pocket's use of its Real-Time 3D engine at the GPU Technology Conference 2021 held by NVIDIA. The case study illustrates how Neural Pocket is accelerating its AI development using Unity Computer Vision.



The use of Unity Computer Vision enables a paradigm shift in AI model training. Conventional AI training methods dictate that the amount of data a developer has access to acts as a limiting factor to its accuracy and breadth of applications. Furthermore, collecting data can be time consuming and can slow down the development process. Neural Pocket has developed a new AI teaching approach where training data is rapidly generated using Unity, and combined with raw data to accelerate the learning process and achieve high accuracy simultaneously. Specifically, Neural Pocket will utilize Unity's engine to create AI libraries. Neural Pocket published an article and a case-study showcasing a use case for this software, see below.

Blog URL : <https://blogs.unity3d.com/2021/04/09/boosting-computer-vision-performance-with-synthetic-data/>

Case-study URL: <https://resources.unity.com/ai-ml/neural-pocket-case-study>

■ Comment by Alex Daniels, Senior Expert and Head of the Technology Incubation Team at Neural Pocket Inc.

The introduction of simulation to generate synthetic data to train AI has greatly improved the efficiency with which we can create production ready models. As the person in charge of prototyping and developing new technologies, I am very pleased to see engineers across the company tackling this new area of study with enthusiasm and believe adopting this across all of our products will greatly benefit the R&D department.

■ About Neural Pocket Inc.

Neural Pocket is engaged in the research, development, and commercialization of its proprietary AI technology for analyzing images and video. Through business expansion using AI technology in areas such as smart cities, digital signage (advertising), and fashion, Neural Pocket aims to realize its mission of "Update the world for a better tomorrow". In smart city-related services, we provide AI solutions to various companies and organizations, including real estate developers, government agencies, and retailers.

Company : Neural Pocket Inc.

Address: Tokyo Midtown Hibiya, Hibiya Mitsui Tower 32F, 1-1-2, Yurakucho, Chiyoda-ku, Tokyo, Japan

Business category : AI engineering

URL : <https://www.neuralpocket.com/en/index.html>