# **True Bots**

**Dynamic. Engaging. Cost-Effective.** 



# Why Bots Matter (More Than You Think)

In multiplayer games, bots aren't just filler. They help you:

- Onboard new players
- Reduce queue times
- Keep matches full
- Stabilize matchmaking and balance

Yet, today's bots' technology is stuck in the '90s.

# What's Wrong with Traditional Bots

Many studios still rely on hand-coded logic—state machines, behavior trees, and scripting—which makes bots:

#### • Expensive to Build and Maintain:

Scripting bots can consume up to 30% of a studio's budget and divert engineers from core development.

#### • Predictable and Exploitable:

Rather than engaging players, traditional bots often break immersion and can frustrate or repel players.

#### A Vicious Cycle:

As players leave, studios fill slots with more scripted bots, worsening the experience and driving further churn—until the game eventually dies or shuts down.

### What Makes True Bots Different

We harness modern machine learning—Reinforcement Learning (RL) combined with Imitation Learning techniques like Behavioral Cloning and GAIL—to power bots that:

#### • Learn from Real Player Behavior:

Adapting in real time to create dynamic, human-like opponents.

#### Integrate with Ease:

Our plugin-based, game-agnostic approach means minimal fine-tuning and no need for direct source code access.

#### Cut Costs and Boost Innovation:

Pre-trained ML agents free your engineers to focus on the features that make your game great, not on Al duct tape.

### Traditional Bots vs. True Bots

	Traditional Bots	True Bots
Fairness & Performance	Uses privileged data; CPU-heavy, local processes	Same inputs/controls as human players; lightweight, flexible deployment
Behavior Logic	Hardcoded scripts (state machines, behavior trees)	Learned via RL + GAIL
Player Experience	Predictable, repetitive, easy to exploit	Dynamic, adaptive, human-like
Development Cost	High – requires constant manual tuning & updates	Low – self-improving, reusable with minimal fine-tuning
Integration	Often requires source code access	Plugin-based, game-agnostic

### The Value

#### **Cut Costs:**

Our pre-trained agents can reduce engineering overhead by up to 30%.

### **Boost Engagement:**

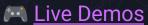
Adaptive AI keeps gameplay fresh, ensuring players stay engaged and matches remain full.

#### **Accelerate Development:**

Quickly simulate real player behavior to test features and balance your game faster.

# Ready to Elevate Your Game?





Book a meeting here  $\rightarrow$  Book a Call