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 are 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 AI 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:**
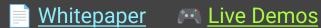 Our pre-trained agents can reduce engineering overhead by up to 30%.

- **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?

📄 Whitepaper   🎮 Live Demos

Book a meeting here → Book a Call