Agenda
Pie & AI: Bangkok - Embedded AI
CLEVERSE RAMA9, Bangkok, 27 June

Event Agenda & Speakers

12:30 - 1:00 p.m. : Registration

1:00 - 1:15 p.m. : Pie&AI Opening – **Andrew Ng**

1:15 - 1:30 p.m. : Nvidia Isaac & Ecosystem Future of the Physical AI - **AGICAFET**

1:30 - 2:00 p.m. : Agentic Orchestrate on the Local - **IBM**

2:00 - 2:30 p.m. : KV cache Techniques in **LMCache - Tensormesh**

2:40 - 3:00 p.m. : Break

3:00 - 3:30 p.m. : Practical Edge AI: From Runtime Choices to Real-World Product Challenges **– True Digital**

3:30 - 4:00 p.m. : Local AI for Autonomous Vehicles: From CARLA Decision-Making to Context-Aware and Resilient Urban Mobility **– Aueaphum Aueawatthanaphisut**

4:00 - 4:30 p.m. : Mamba Inference on Embedded **Systems - Friso Smit**

4:30 - 5:00 p.m. : let vllm decide which skill to use from massive skill collection **- Datakarate**

5:15 - 6:00 p.m. : Networking

DeepLearning.AI

deeplearning.ai

PIE & AI

A sweet meetup for deep learners

deeplearningHQ

deeplearningai_

deeplearningai

AGICAFET

Advanced Foundation AI Systems

AGICAFET

https://agicafet.com/

Anyone Can Run AI. We Just Run It Faster, Leaner, and Cheaper.

We super-optimize AI to run faster, leaner, and cheaper — so you get maximum performance at minimum cost. Learn from a real AI engineer and master the art of efficient AI.

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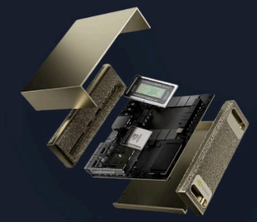
More than 14000 followers on the Facebook page "AGICAFET" trust

More than 300 students, Thai corporate company, University Trust



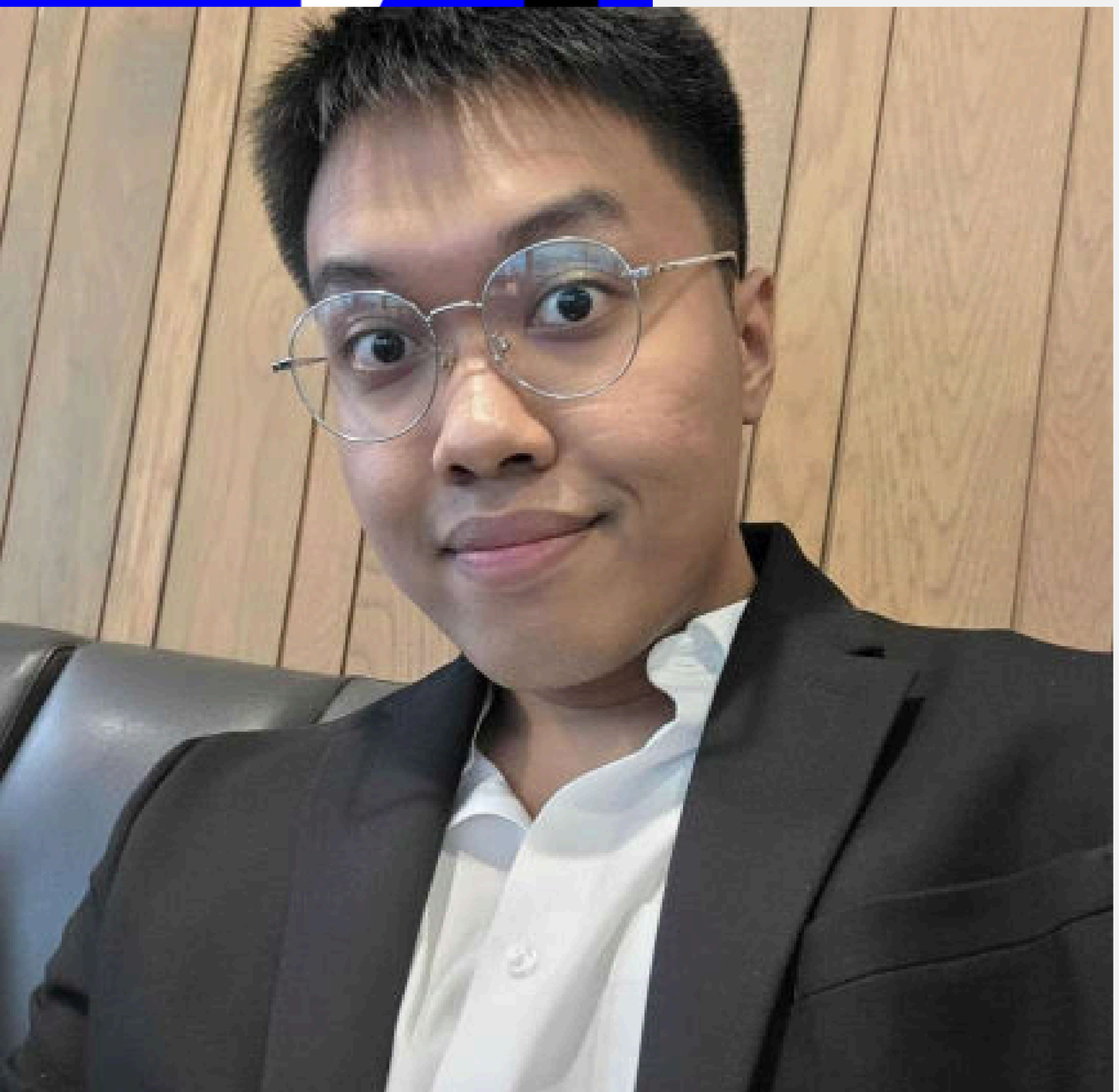
3x–10x Higher Throughput

Better latency under heavy loads

NVIDIA Certified

NVIDIA Certified Professional — Agentic AI

NVIDIA Certified Professional — Gen AI LLMs



About Me

Natdhanai Praneenatthavee (JOB)

- CEO & CAIO AGICAFET CO., LTD) (Experience 7 years+)
- AI Technology Advisor in Enterprise
- DeepLearning AI Ambassador
- AI Alliance Ambassador (Meta X IBM X HF)
- Founder of เพจ ตื่นมาโค้ด python (17K followers)
- Speaker: Google, AWS, TensorFlow, IBM
- Guest Lecturer: ISE Chulalongkorn University, CAMT Chiang Mai University, CS Thammasat University, Health Data Science PSMD KMUTT
- Nvidia Agentic-AI/ LLM Professional Certified (Official)

NVIDIA. | INCEPTION PROGRAM

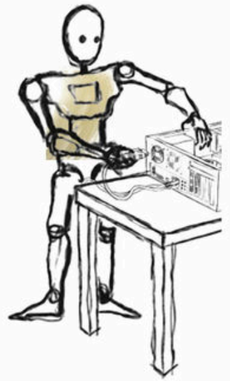
Making AI inference faster, leaner, and cheaper

AGICAFET Joins the NVIDIA Inception Program

Scaling Robot Intelligence for the Real World

SPECIALIST

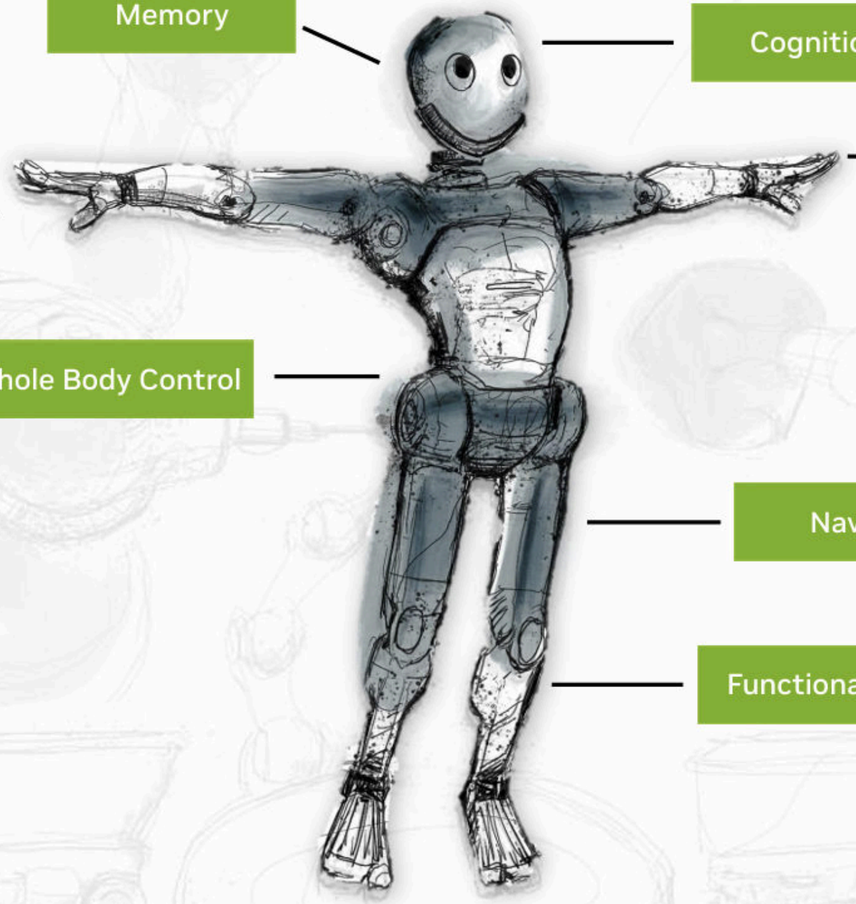
GENERALIST



GENERALIST - SPECIALIST

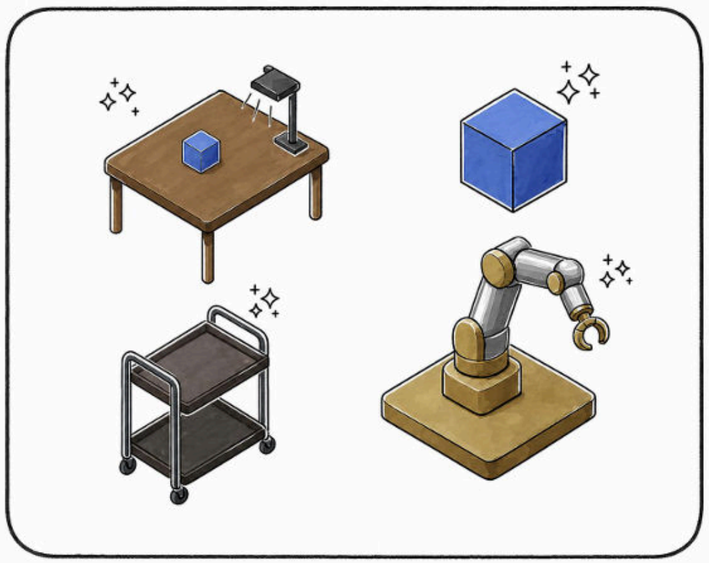
Broad scope, deep proficiency

Anatomy of Autonomy

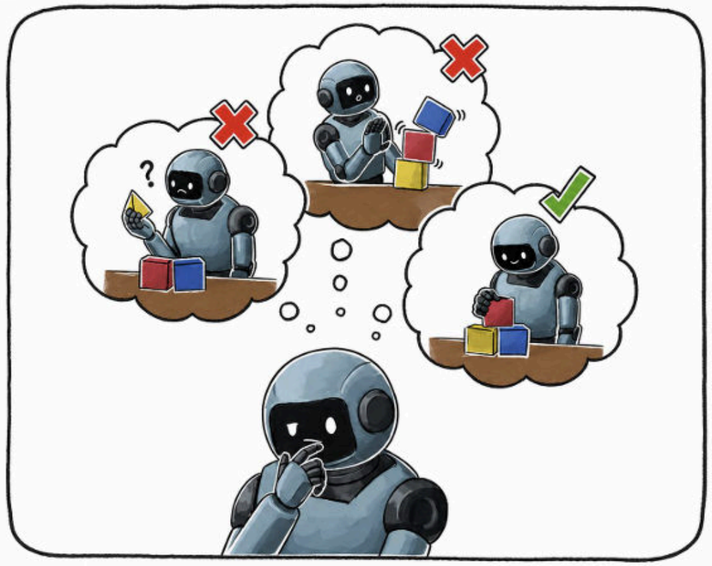


Training Data is the Grand Challenge of Robotics

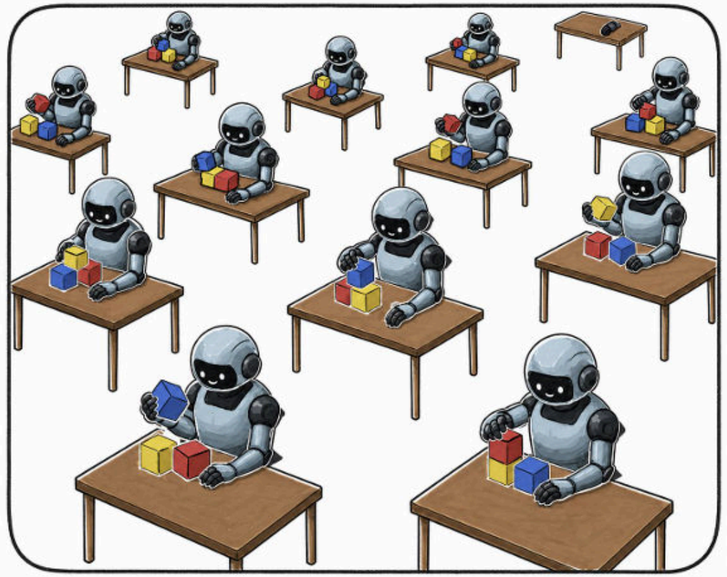
Environment Generation



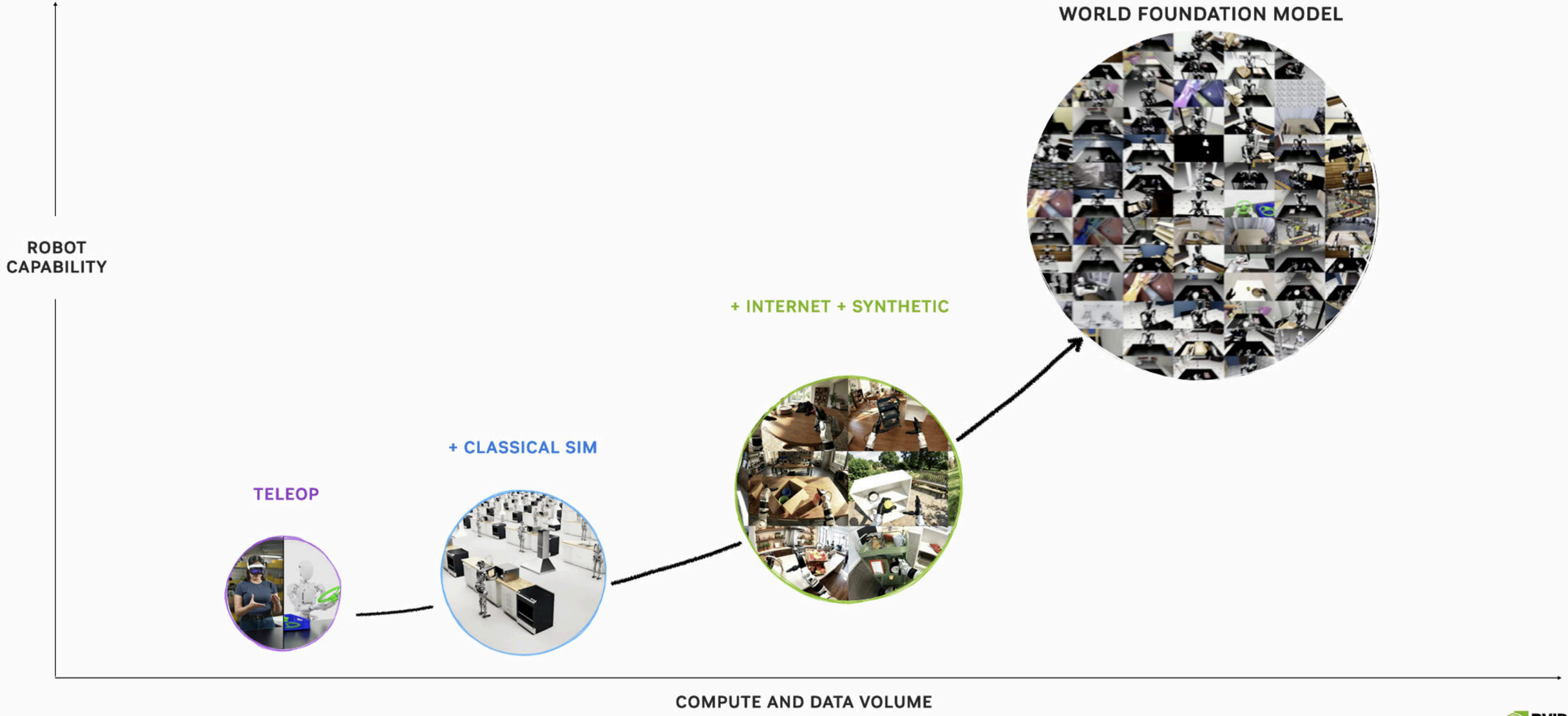
Policy Learning



Policy Evaluation

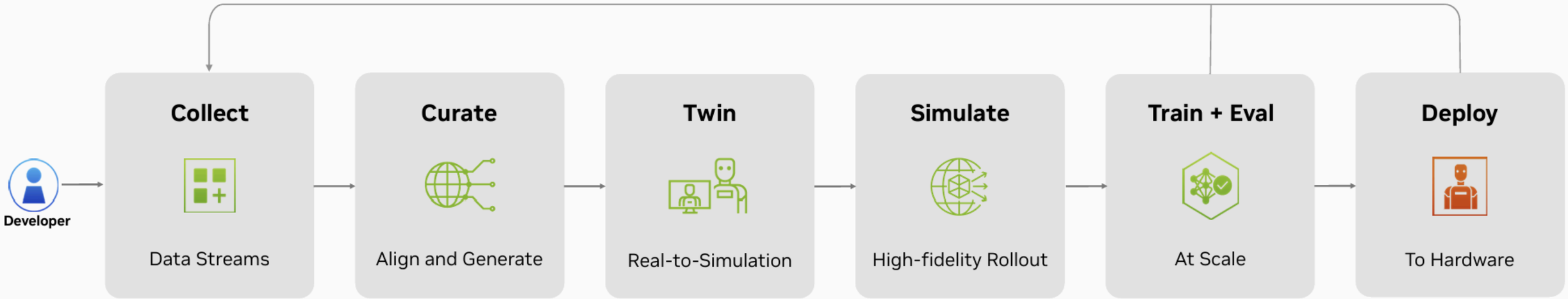


Compute is Data



NVIDIA

The End-to-End Robotics Development Workflow

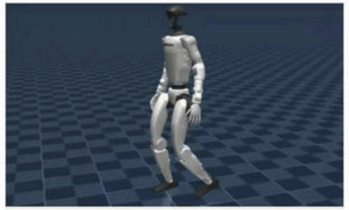


Data Collection

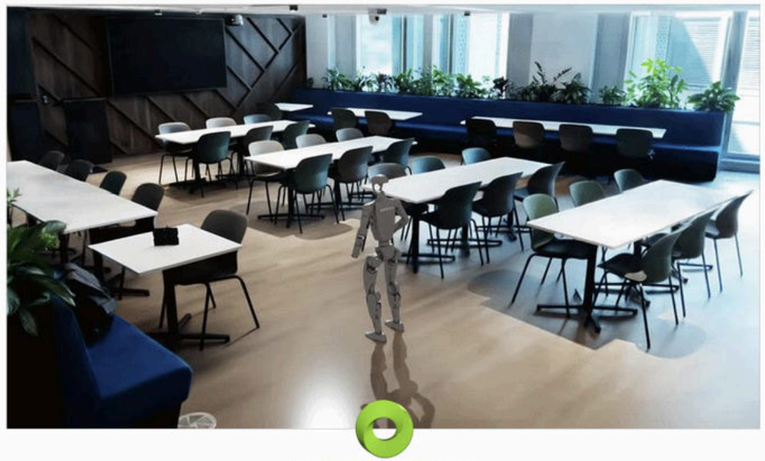
Integrated data collection across real and simulated workflows

NuRec
Environmental Data

NVIDIA Isaac Teleop
Behavioral Data



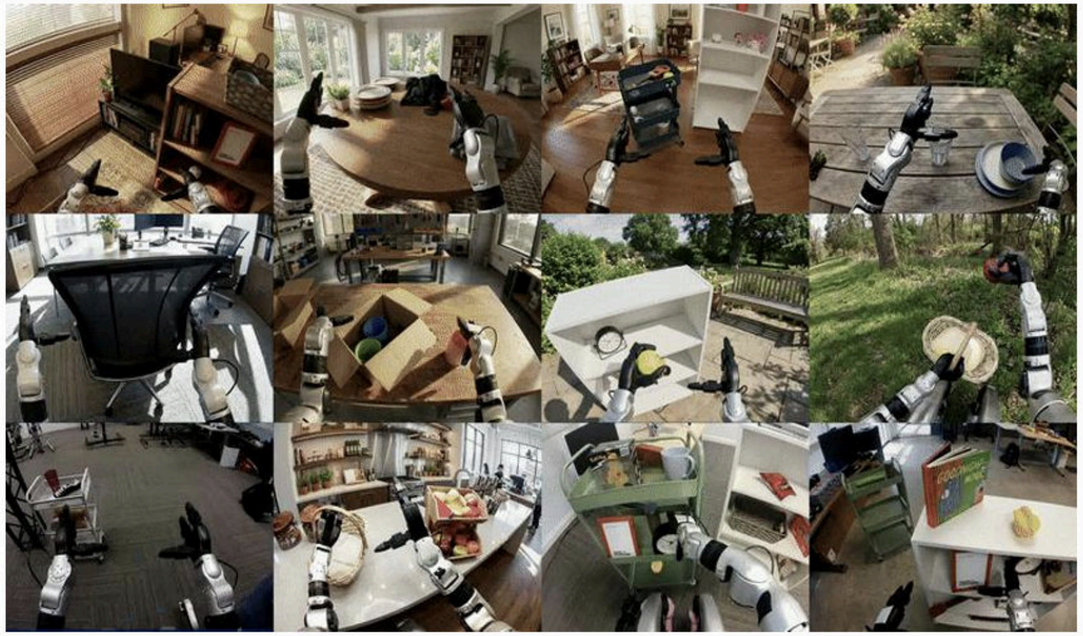
SimReady Assets
Embodiment Data



NVIDIA Omniverse

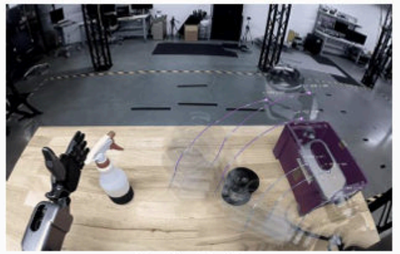
Data Curation & Annotation

Data “chunking” becomes the control point for data generation and augmentation

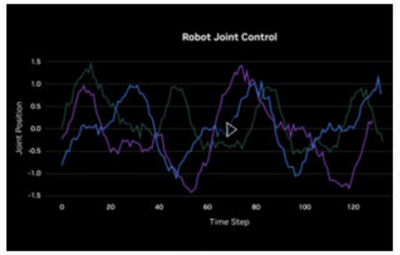


RGB is too narrow for training

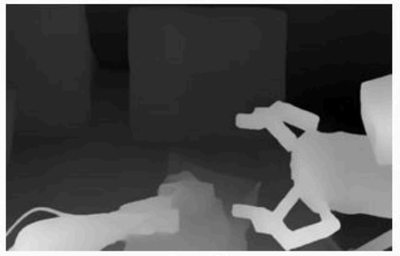
“Chunking” Training Data



Trajectories



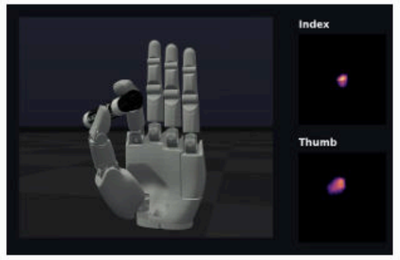
Motions



Depth

Edge

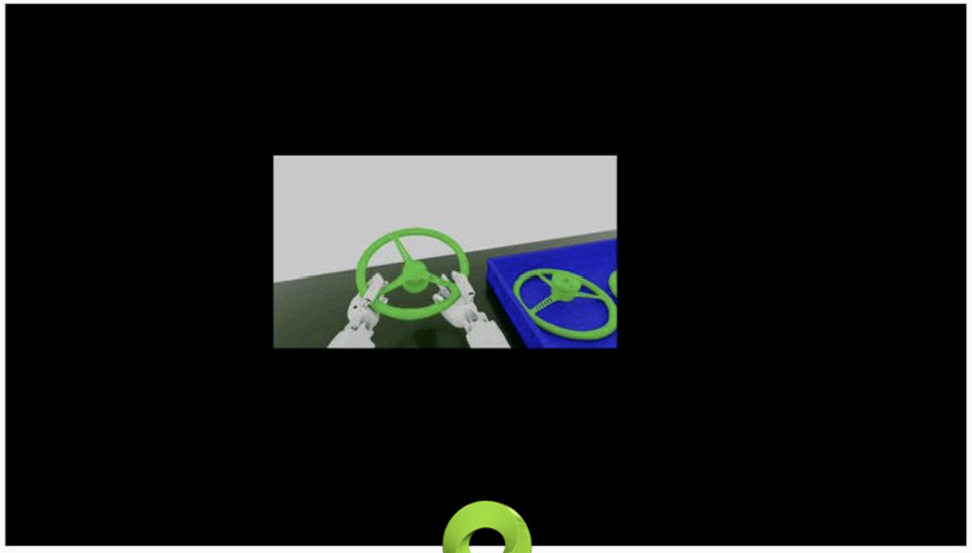
Segmentation



Tactile and Force

Data Synthesis

Data generation and augmentation with NVIDIA Omniverse and Cosmos



NVIDIA Omniverse

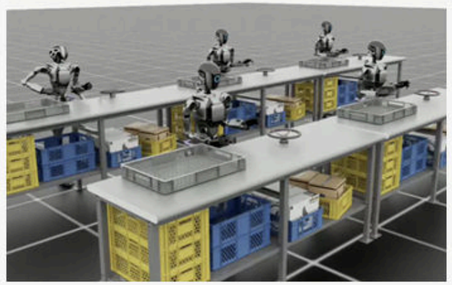
NVIDIA Cosmos

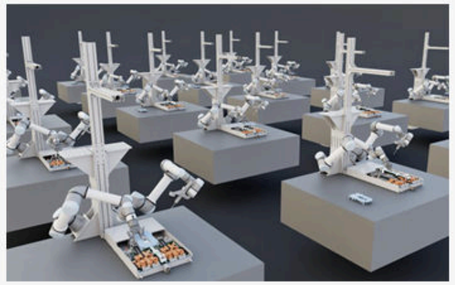
Training

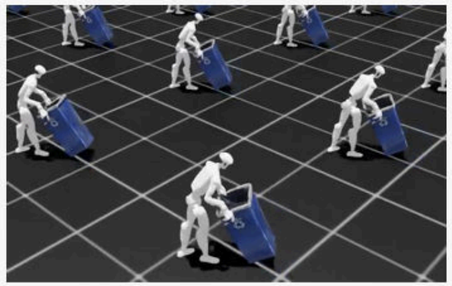
Train across diverse tasks and embodiments in Isaac Lab

One Robot / One Task

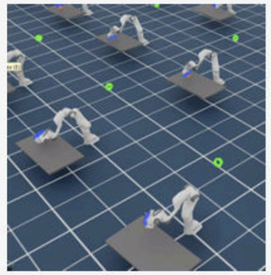
Many Robots / One Task

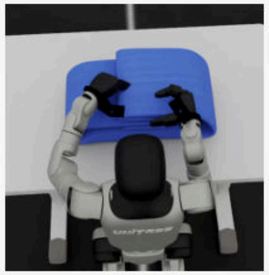


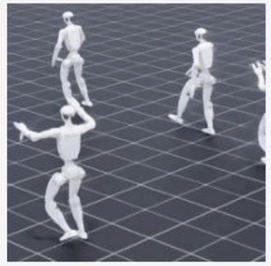


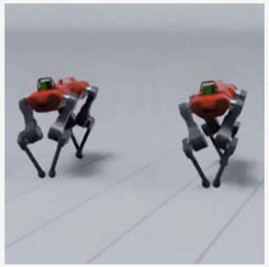


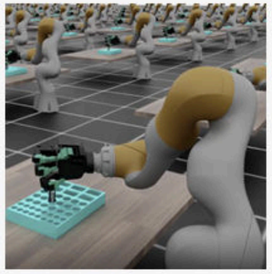
Many Robots / Many Tasks

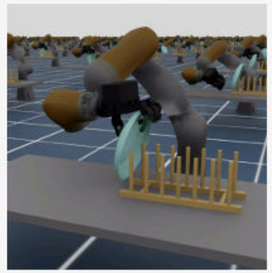


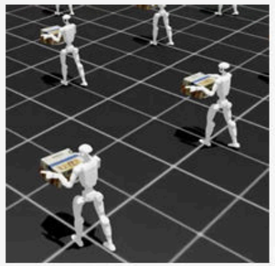


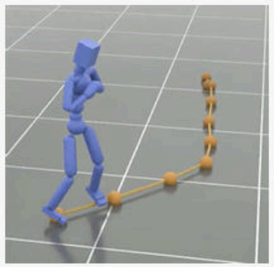








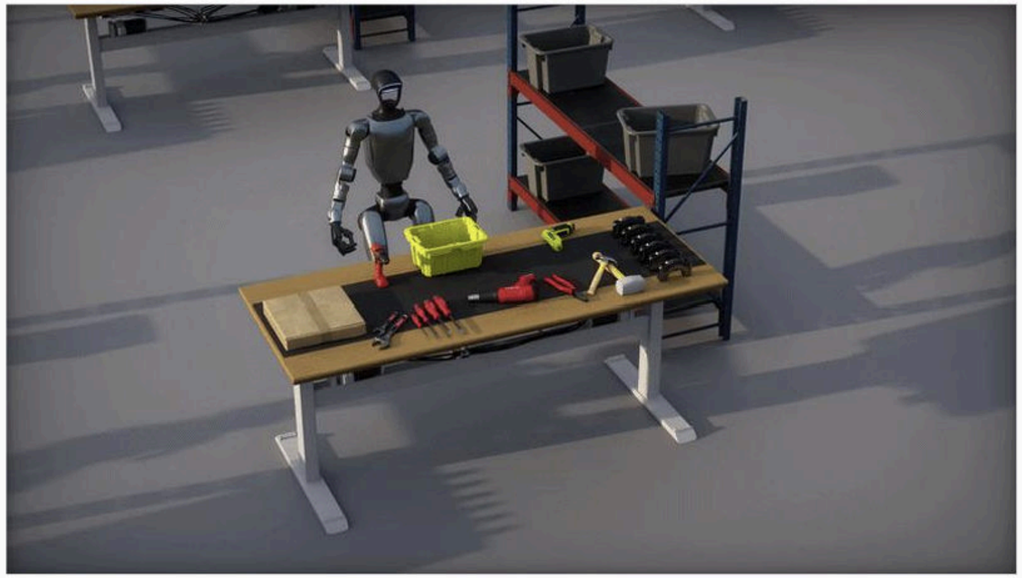




Evaluation

Customizable and scalable policy evaluation in Isaac Lab Arena

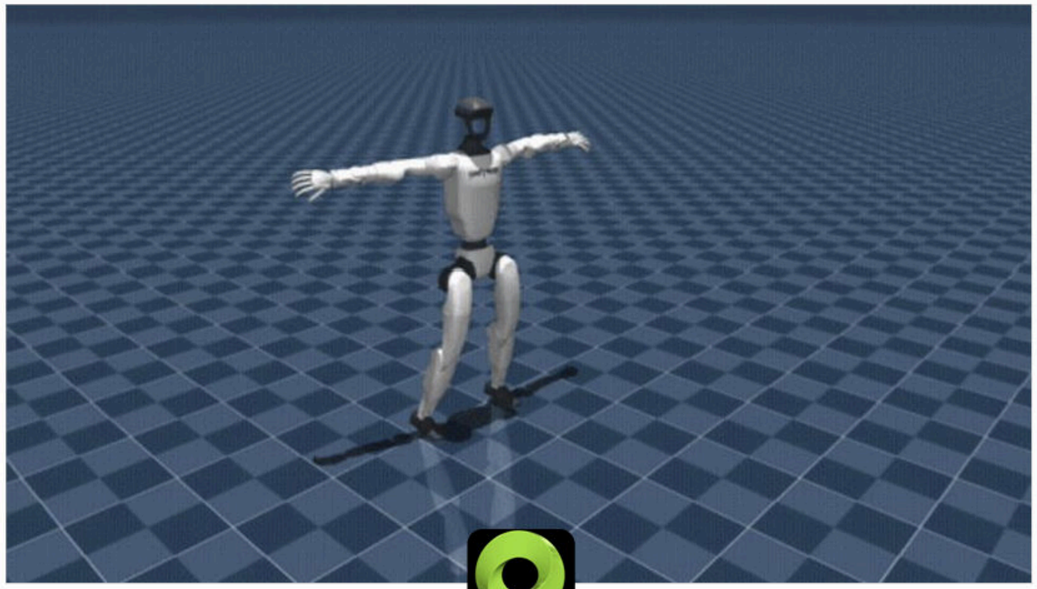
Task Authoring



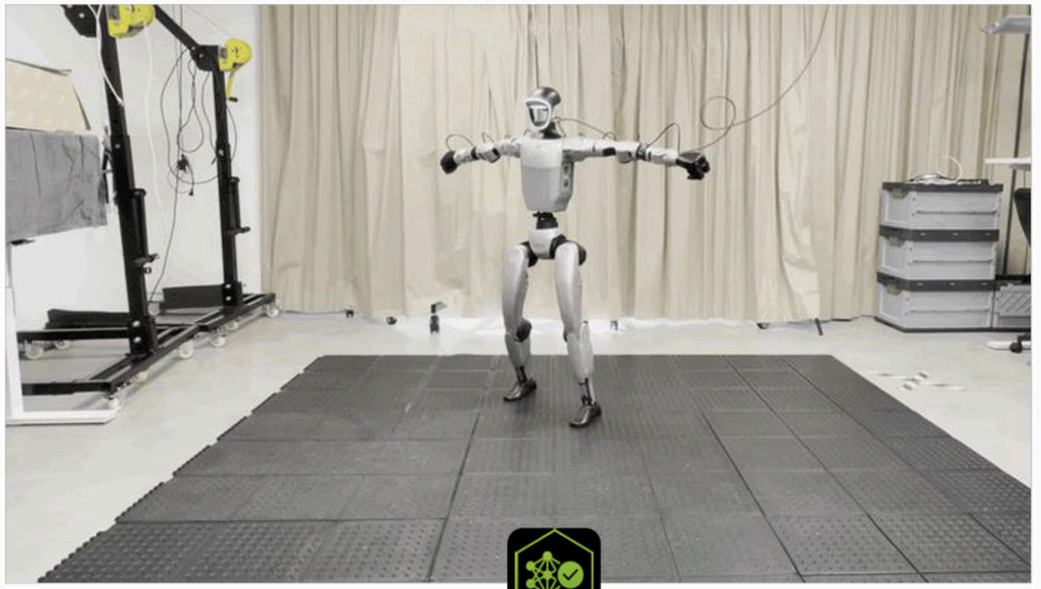
Large-Scale Parallel Evaluation

Deployment

Learned policies need to eventually be deployed onto the real robot

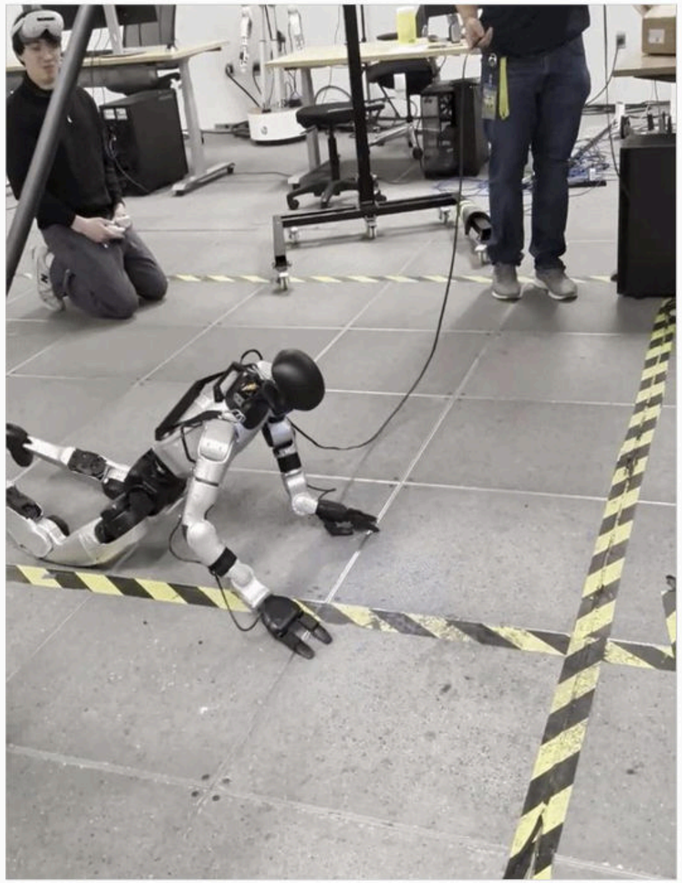


NVIDIA Omniverse



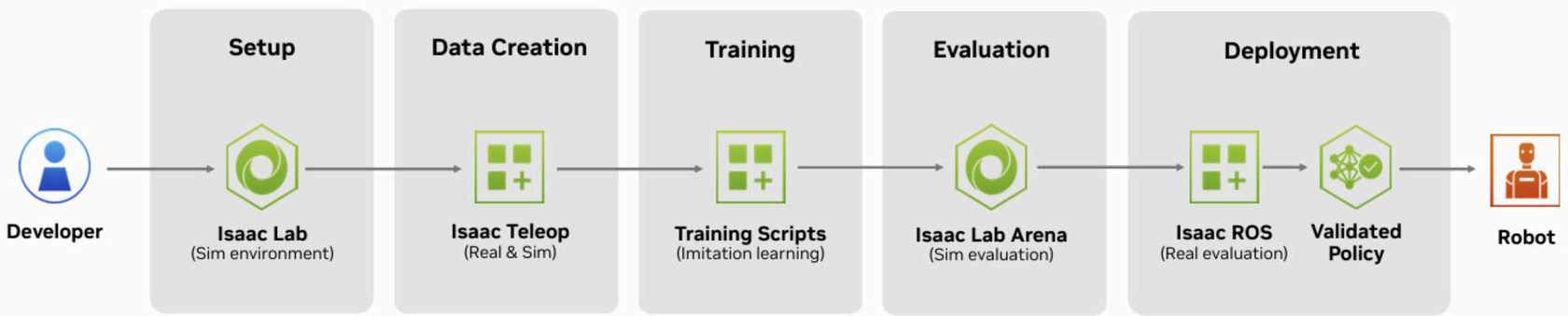
Isaac ROS

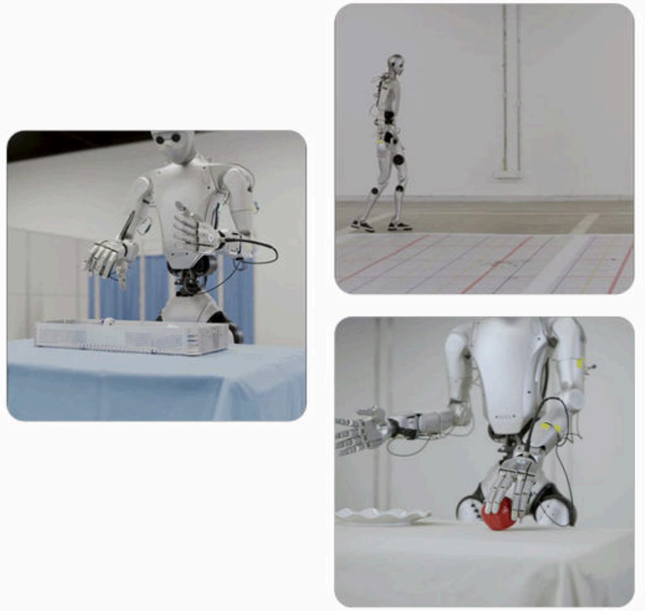
However, Robot Development Remains Difficult



NVIDIA Isaac GR00T End-to-End Workflow

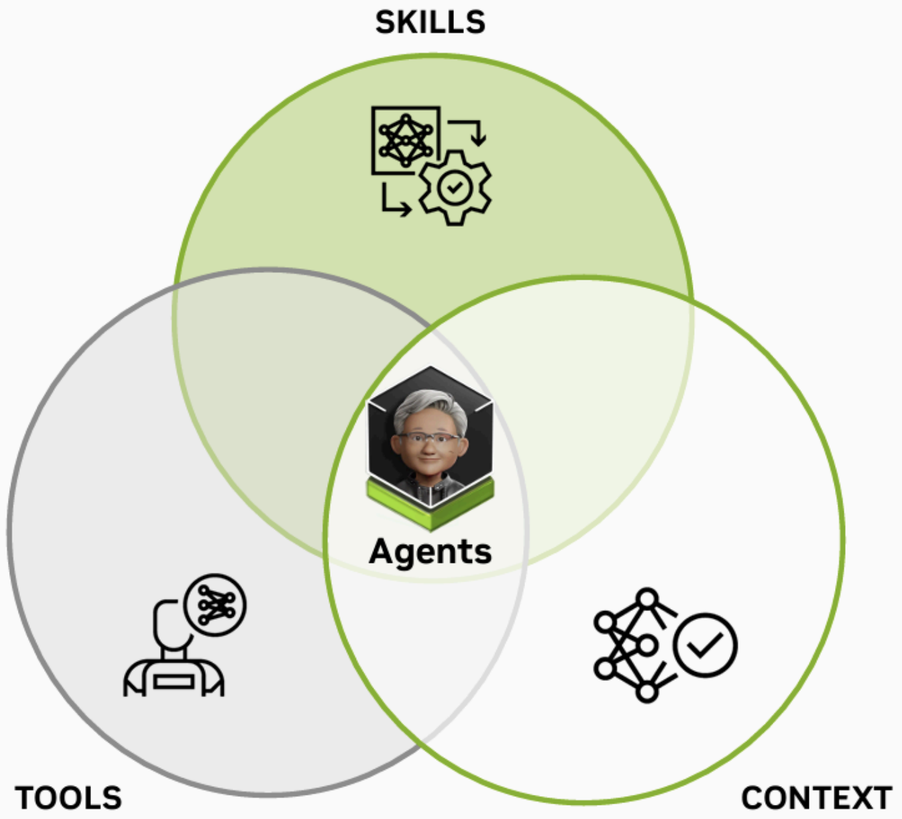
Accelerate humanoid development from data to deployment





Agents at Work

Agents combine skills, tools, and context to drive every stage of the workflow.



SKILLS

The capabilities scoped to a job.

- Ephemeral
- Drift and age
- Get retrained against new data

TOOLS

The platform interfaces the skill calls.

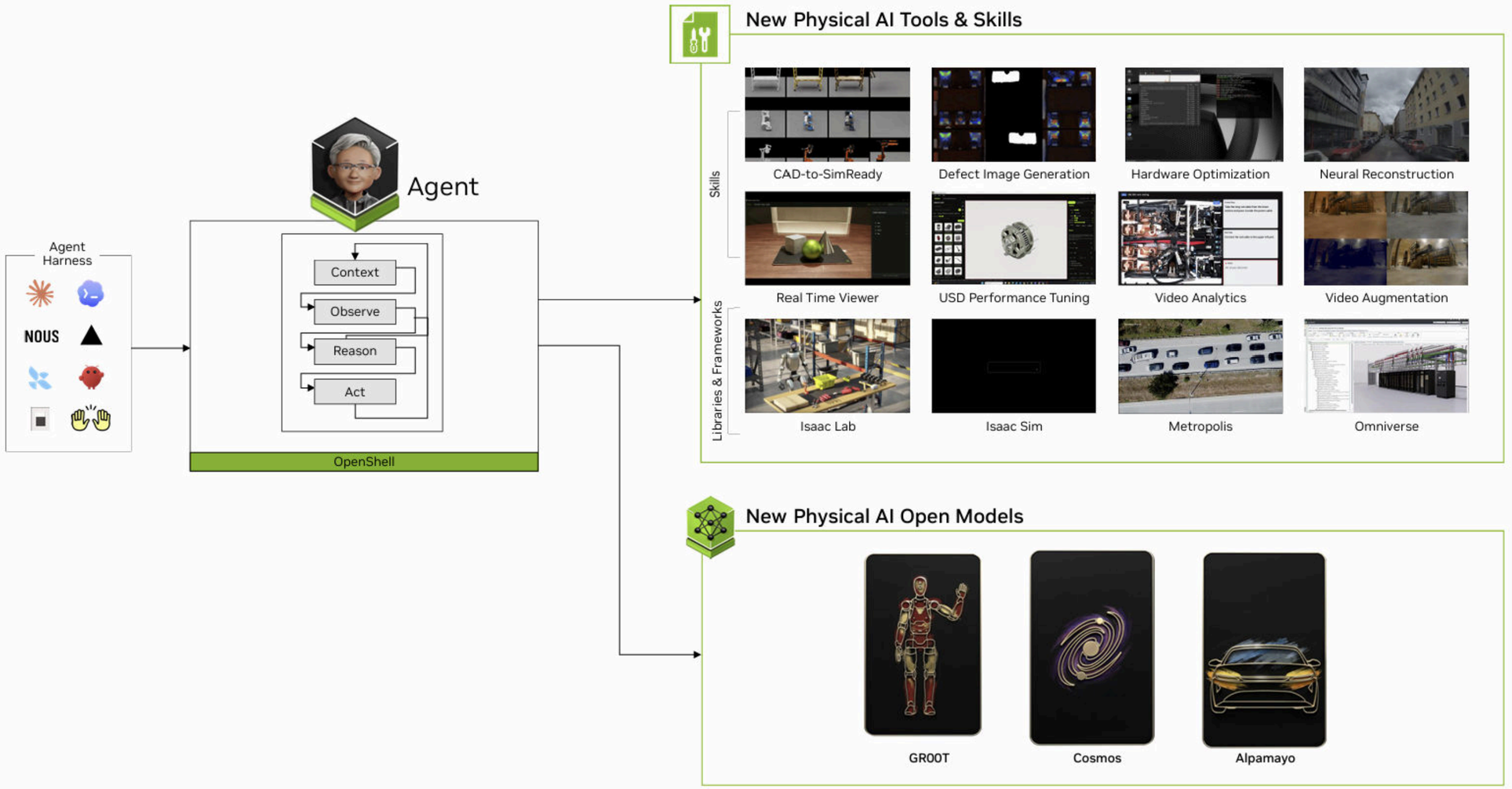
- Isaac Lab, OSMO, Dreams, NuRec
- Each built to be called by an agent

CONTEXT

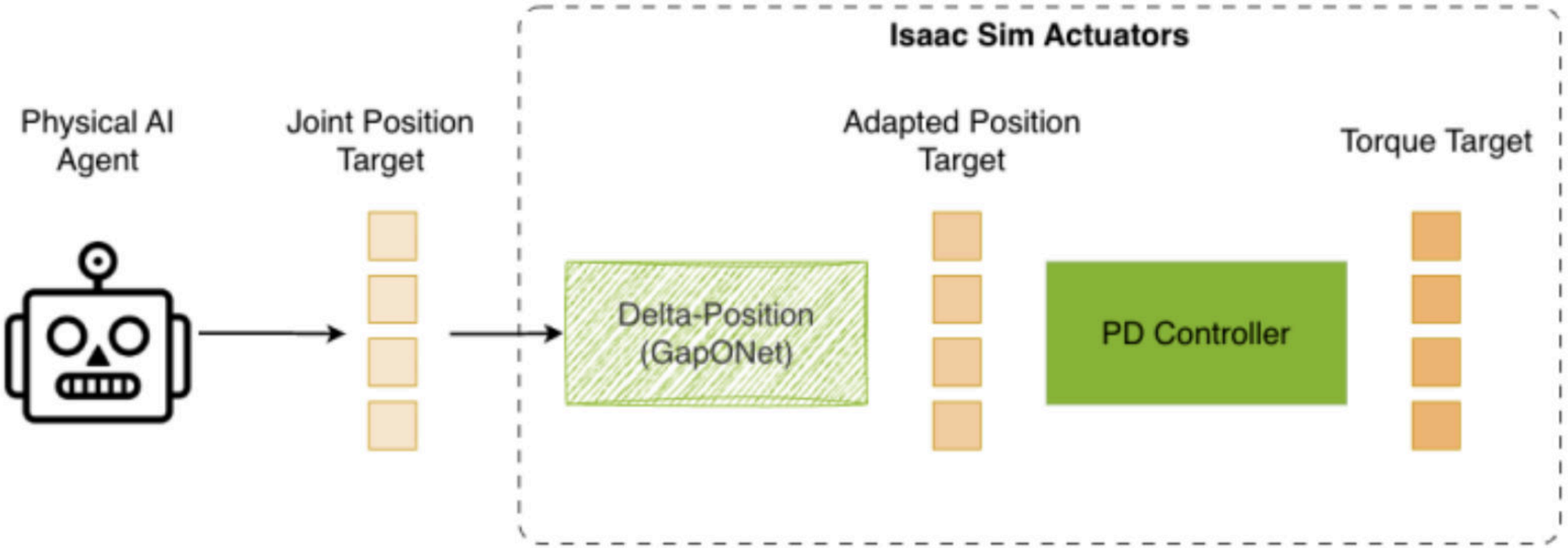
The manifest that scopes the agent.

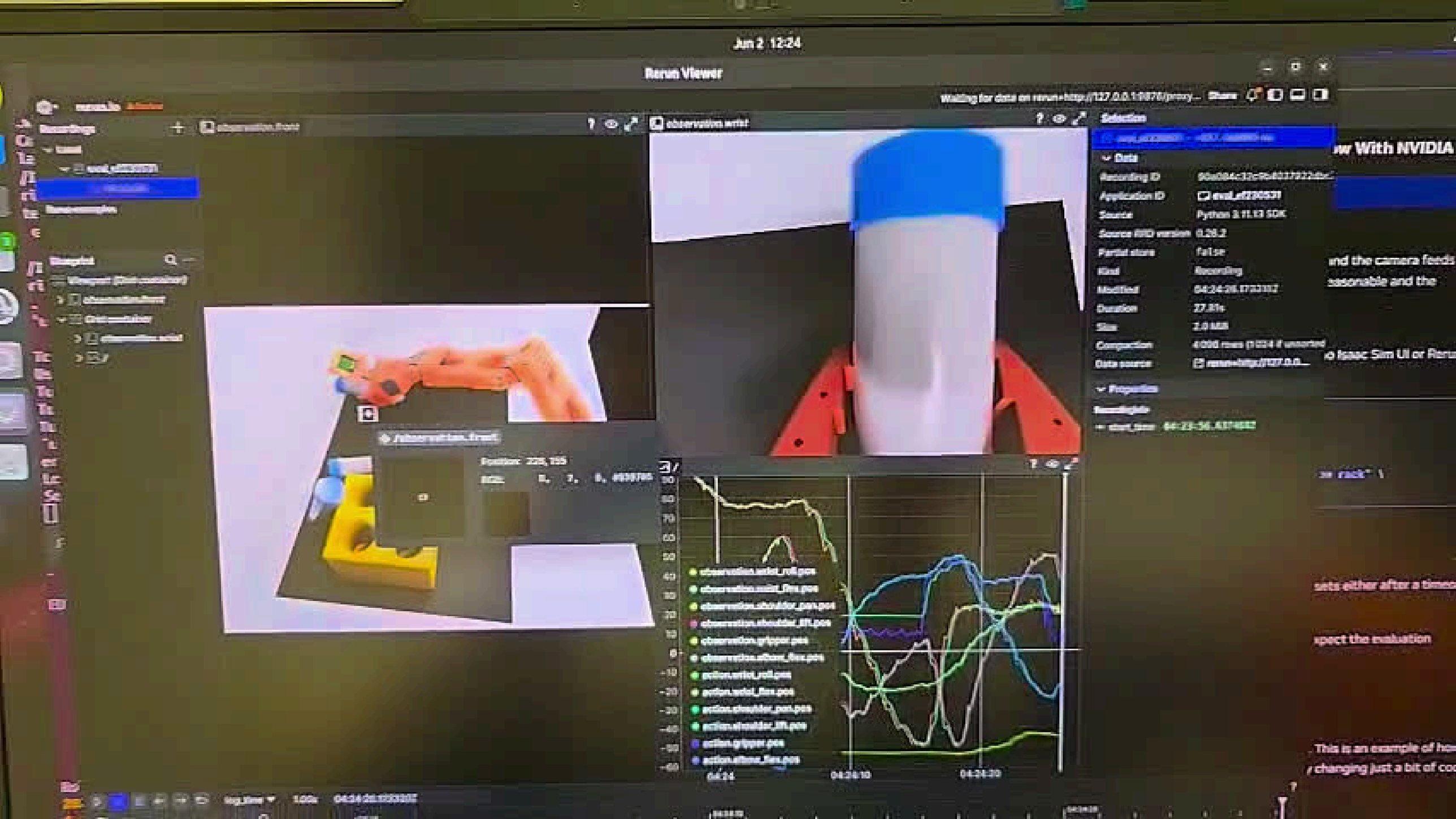
- Scopes to the robot, customer, task, and memory
- Constantly updates as the fleet runs

Agent Tools and Skills for Physical AI



How GapONet could be used with a RL policy training

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Rerun Viewer
Waiting for data on rerun+http://127.0.0.1:9876/proxy...
Share
Selection
Data
Recording ID
Application ID
Source
Python 3.11.13 SDK
Source RRD version
0.28.2
Partial store
false
Kind
Recording
Modified
Duration
27.81s
Size
2.0 MiB
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Properties
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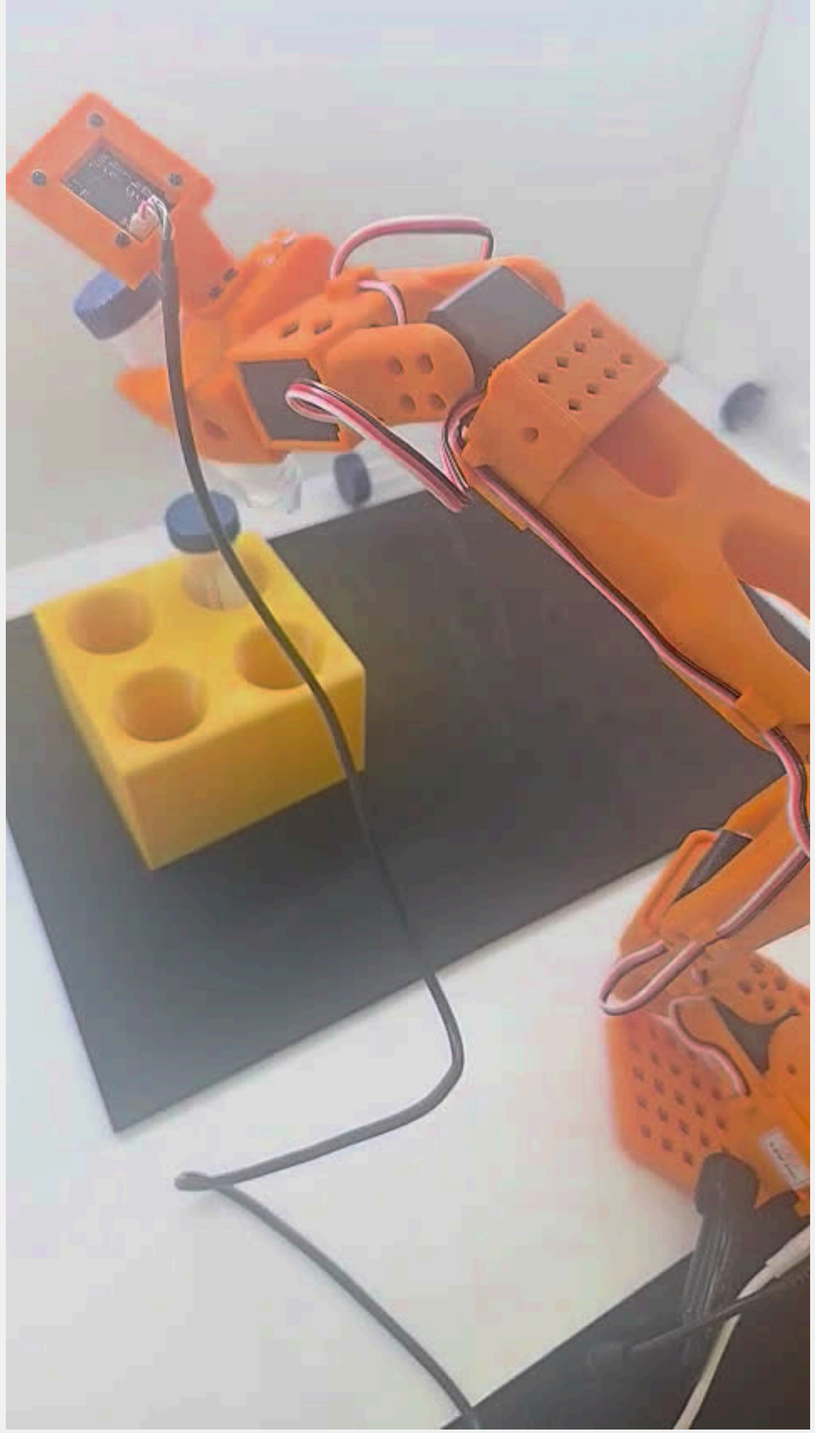

Thank you

I’m very interested in helping grow the official vLLM presence in Thailand.
If possible, I’d love to find a way to officially collaborate or contribute to its expansion here.

My Fb page: ตื่นมาโค้ด python
Mail: natdhanai.pra@agicafet.com
GitHub: spped2000
Medium: Natdhanai Praneenatthavee
LinkedIn: Natdhanai Praneenatthavee
Website: agicafet.com