ROBOTICS FIRST

Aili

Learn by understanding.
Build by doing.



An AI professor that teaches robotics. You predict, test in simulation, and see why.

Luckyann Kagendo · Founder · Nairobi

01 PROBLEM

Technical knowledge is everywhere. Understanding isn't

The learner is left to stitch together information, explanations, simulations and practice.

YouTube › Courses › Papers › Docs › AI chat › Simulation

Too many tools.

Too little continuity between a question, understanding and action.

I lived this: I tried to understand one machine learning concept through YouTube and chatbots. Videos never responded to my confusion. Chatbots never let me test my understanding.

The internet solved access to information.
AI made explanation abundant.

The next problem: turning information into understanding and capability.

02 INSIGHT

An answer is not the same as understanding

Aili is built around what happens after the explanation.

GENERAL AI

Question

↓

Answer

Useful and fast. Often the end of the interaction.

AILI

Predict →

Test in simulation →

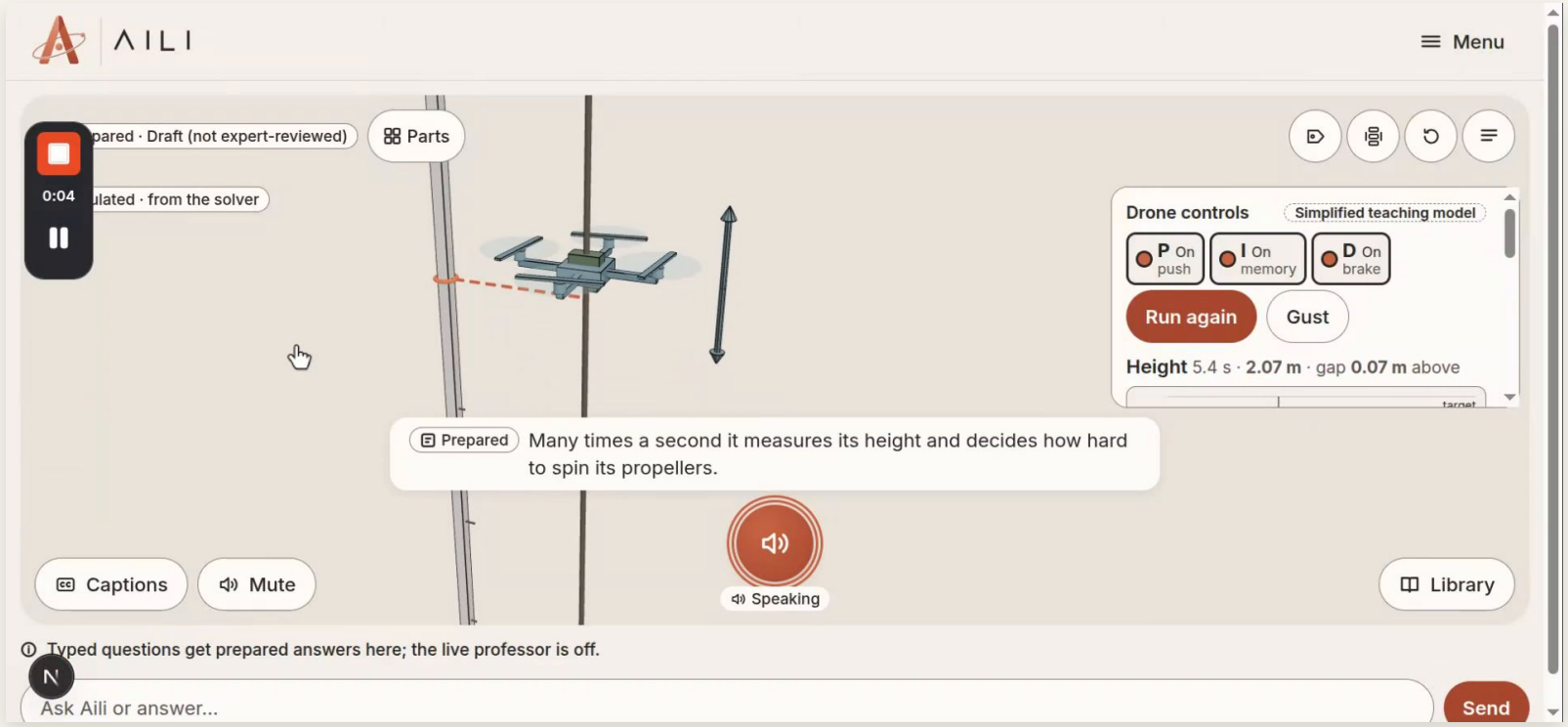
See why →

Build →

The learner stays the agent.

Meet Aili

A voice-first professor, a 3D stage, and a simulation you can touch.



01 **Predict**

02 **Test**

03 **See why**

04 **Build**

Example shown: drone PID control

Every number on screen comes from a tested solver, not from a language model.

Watch Aili teach



What you will see

1. **A drone is told to hold 2 m.**
   The learner predicts where it will settle.

2. **The simulation runs.**
   It settles about 1 m. Not 2.

3. **Aili explains why.**
   Then lets the learner fix it.

05 EXPERIENCE

A drone told to hold 2 m settles at 1.02 m

Don't memorise the controller. Tune it.

01

PREDICT

Target 2 m, gain Kp = 10.
Where will it settle?

→

02

TEST

Run the simulation.
Watch it climb and stop.

→

03

SEE

It settles at about 1.02 m.
0.98 m short.

→

04

WHY

Gravity pulls with m·g. A P-only controller needs error to push back: error = m·g ÷ Kp = 0.98 m

The goal is not to know what PID means.
The goal is to understand what changes when you touch the system.

Robotics makes understanding testable

One system pulls in physics, math, control, code and AI. If you understand it, the behaviour changes.

Physics

Math

Control

Programming

AI

Simulation

Who comes first

- College control and robotics students in North America
- Then their instructors
- Then engineers upskilling into robotics

Version one is robotics only. The learning engine is built to go further.

07 FIRST PRODUCT

Depth before breadth

Three complete modules, not many half-built labs.

01

PID control

Tune a feedback controller. See why a drone sags and how to fix it.

WORKING

02

Torque and actuators

How motors turn commands into motion, and why they have limits.

NEXT

03

How robots learn

From feedback control to learning from experience.

NEXT

A module ships only when it is complete, tested and expert-reviewed.

08 WHY NOW

AI changed the cost of explanation

The opportunity is no longer delivering information. It is turning explanation into experience.

BEFORE

Teacher + textbook + course + software + expert

High friction. Fragmented. Expensive.

NOW

Frontier AI explains on demand.

The new question

What interface turns explanation into experiments, and experiments into understanding?

Start narrow. Expand through the learning engine

Any complex subject
Understanding for everyone.

Employers and robotics teams
Upskilling technical staff.

Instructors and universities
Course use and pilots.

Robotics students and engineers
The wedge. Where we start.

Where Aili fits

	Explains	Lets you test	Adapts to you
Videos and courses	Yes	No	No
AI chat	Yes	No	Partly
Simulators	No	Yes	No
Aili	**Yes**	**Yes**	**Yes**

Aili combines all three in one place, with every number from a tested solver.

A simple path from learner to platform

Pricing is a testable model, not a claim of validated economics.

FREE

Selected lessons

No card needed

→

PROJECT PACK

$7–15

A deeper project

→

BUILDER

$10–20 / month

Ongoing access

→

INSTITUTIONS

Pilot pricing

Courses and teams

Near-term goal: prove that learners return and are willing to pay, before building more.

Early, and honest about it

The next milestone is not more features. It is evidence that learners come back.

30

discovery interviews with learners

10 of 10

trial schools became paying customers at Shule Poa, my previous product

1

complete interactive lesson: drone PID control

680+

automated tests passing across the platform

20–30

early learners in the first beta, by 31 December

Core hypothesis A learner will voluntarily return to Aili because they have understood something they could not understand elsewhere.

Built by a founder who has shipped

LK

Luckyann Kagendo

Founder and CTO, Nairobi

- Former CTO at Shule Poa: all 10 trial schools became paying customers
- Software engineering, Moringa School
- Built the Aili prototype alone: voice professor, 3D stage, simulation solver, accounts and tests
- Lives the problem: learned machine learning through videos and chatbots

Who we add first

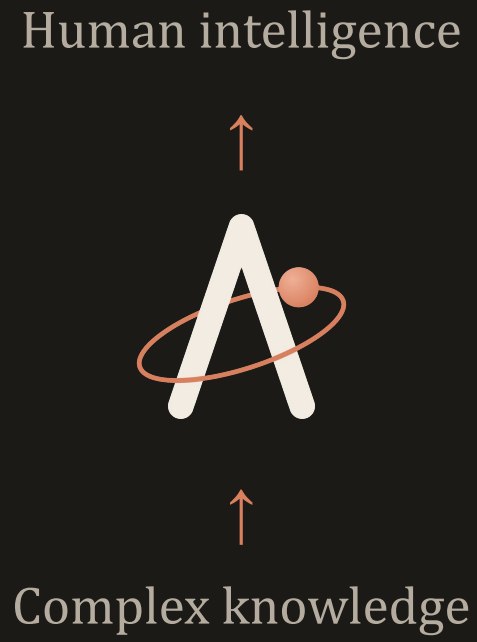
Founding engineer or cofounder
To ship modules faster

Robotics and control adviser
To review every lesson for correctness

The model is not the product

Aili uses frontier models as an intelligence layer around a learning system.

- **Research and reasoning** evidence-backed answers
- **Learning state** what the learner understands and misses
- **Interactive models** simulations you can manipulate
- **Challenges and projects** turn understanding into action
- **Learner interaction data** what actually creates progress



Robotics first. Accessible, affordable understanding for everyone.

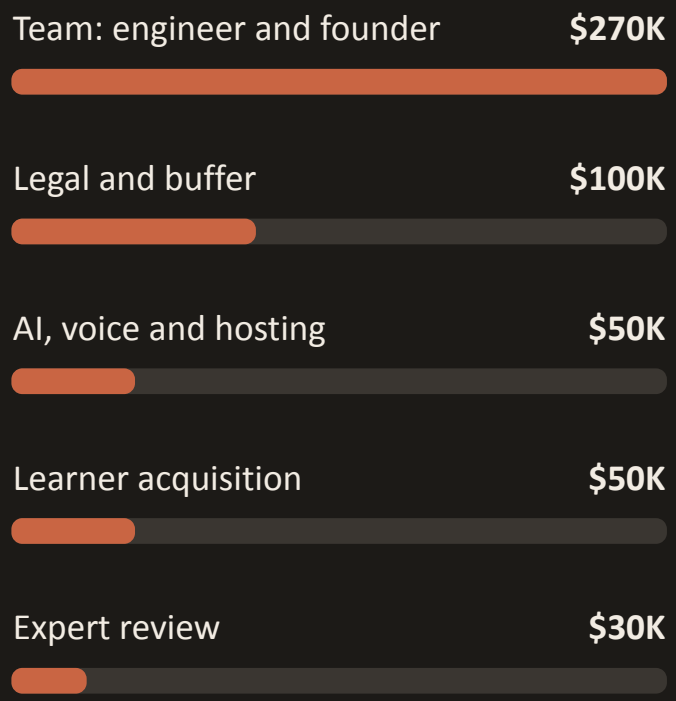
Raising $500K to prove learners come back

$500K

Pre-seed SAFE
$5M post-money cap

Luckyann Kagendo
Founder, Aili · Nairobi, Kenya
kagendoluckyann@gmail.com

USE OF FUNDS



WHAT IT BUYS

- Three expert-reviewed modules live
- First 100 active learners
- A first university pilot
- Retention data to raise a seed