exahuman

Robots learn by touch. We record it.

An arm and hand exoskeleton that lets a person drive a robot and feel what it touches.

Skyler Chan and Michael Foley · Princeton, NJ

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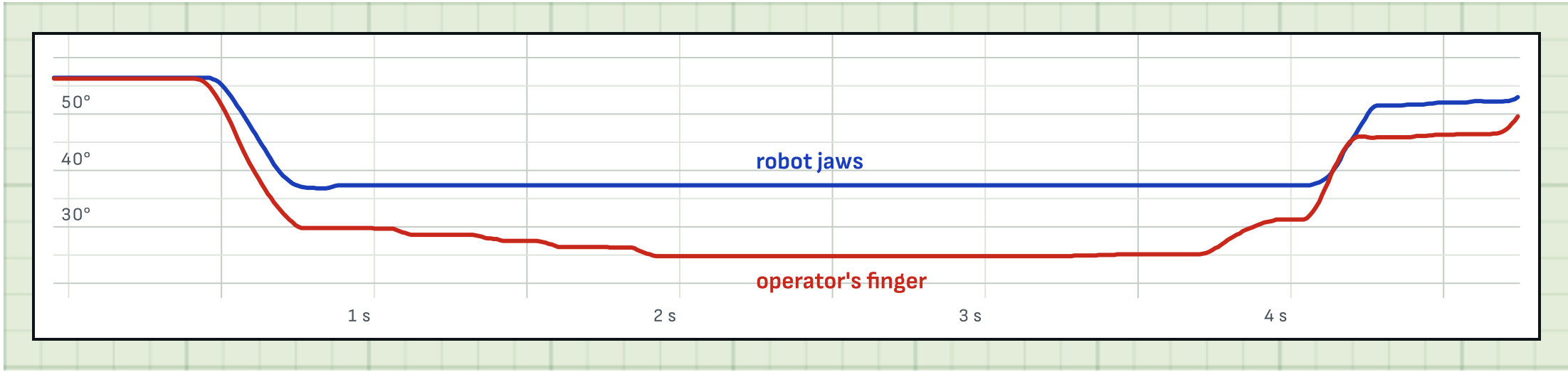
Robot operators feel nothing.

Today	What it costs
Operators steer by sight only	They crush, drop and jam things without knowing
Most teams record in a VR headset	Only some takes are smooth enough to train on
VR makes many people nauseous	Short shifts, fewer hours of data

Wear the robot.

Same joints as the robot	Each human joint maps 1:1 to a robot joint
Motors that push back	The operator feels what the robot touches
Every motion recorded	Training data with touch, in the robot's own joints

One finger can feel.



Built	Grip feedback on two SO-101 arms, no force sensor. The jaws touch a cube and the trigger pushes back. 50 grips logged Nov 14, 2026.
Not built	The exoskeleton.

Operators who can feel succeed more often. So do the robots trained on them.

10/10 vs 4/10

Task success with touch and force feedback vs no feedback, carton task.

DOGlove, RSS 2025

+11%

Robot policy success when its demonstrations were recorded with haptic feedback.

IEEE Transactions on Haptics, 2024

Robot labs already pay for demonstration data.

Signal	Amount	When
XDOF launch round, teleop data for model labs	**$70M**	Jun 2026
Maxinsights seed, with a touch glove	**$30M**	Oct 2026
Contract request to 6thSense after one hour of sample data	**$1M+**	2026
Operator cost per hour	**$3 to $48**	2026

First customers: humanoid companies, data companies, humanoid training gyms.

Others capture the hand or the arm.

Approach	Touch	Full arm	Robot's joints	Drives a robot
Head and wrist cameras Ropedia, Human Archive, Praxis	No	No	No	No
Tactile data gloves 6thSense, Maxinsights, Proception	**Yes**	No	No	No
Leader-arm teleop rigs XDOF	No	**Yes**	**Yes**	**Yes**
Force-feedback gloves HaptX, SenseGlove	**Yes**	No	No	**Yes**
exahuman	**Yes**	**Yes**	**Yes**	**Yes**

Next six months.

Milestone	What it proves
Suit v0: one arm and hand with touch	The hardware works
100 episodes recorded with touch	The data is usable
Same policy trained with and without touch	Touch makes the robot better
Two robot teams test it on their own arms	Customers want it

Team



Skyler Chan

Princeton ORFE '28, CS minor. Leads the Exahuman team in the Princeton Robotics Club. Built the teleop, grip feedback and training stack.



Michael Foley

Full-time. Electrical and computer engineering at Purdue. Hired and trained a 12-person team that generated more than $10M in qualified pipeline in 6 months.

$10K of non-dilutive Princeton funding to date.

Sources

Grip recording: our teleop log, Nov 14, 2026, two SO-101 arms.

DOGlove: open-source haptic and force-feedback glove, RSS 2025. Carton task, 10/10 vs 4/10.

Cuan, Okamura, Khansari, "Leveraging Haptic Feedback to Improve Data Quality and Quantity for Deep Imitation Learning Models," IEEE Transactions on Haptics, 2024.

SiliconANGLE, "Robotic teleoperation data startup XDOF launches with $70M," Jun 17, 2026.

Business Wire, Maxinsights $30M seed and MaxGlove, Oct 22, 2026.

Dealroom, 6thSense raises $700K and joins Y Combinator S26, Jul 2026.

Operator rates: Rest of World ($3/hr, China); Tesla Optimus operator posting ($25.25 to $48/hr).