ENZO ROMERO

LAT Bionics

2025 Global Fellow

BIG BOLD IDEA

Expand the delivery of affordable, high-functionality bionic prostheses for individuals with upper limb amputations in Latin America by combining AI-driven customization and 3D printing to create personalized, low-cost solutions.

ORGANIZATION OVERVIEW

LAT Bionics accelerates the adoption of affordable, high-functionality bionic prostheses for individuals with upper limb amputations in Latin America. By integrating the power of AI-driven customization into 3D printing techniques, LAT Bionics develops personalized prostheses that are both cost-effective and tailored to each user's anatomy. Beyond prosthetic development, it provides occupational therapy and rehabilitation support to ensure effective integration and long-term usability. LAT Bionics envisions a future where high-quality assistive technology is universally accessible, fostering inclusion, independence, and economic opportunities for individuals with limb amputations across the region.

PERSONAL BIO

Enzo Romero is the founder and CEO of LAT Bionics. Born with a congenital limb difference, Enzo experienced firsthand the challenges of obtaining high-quality prosthetic solutions. Determined to change this reality, he pursued engineering, specializing in mechatronics and user-centered design. Before founding LAT Bionics, he conducted research in assistive technology to improve functionality and affordability. His vision is to position Latin America as a global hub for prosthetic innovation, ensuring that advanced assistive technology is accessible to all. Enzo has been named an MIT Innovator Under 35 LATAM, a TED Fellow, and a U.S. Department of State Young Leaders of the Americas Fellow. He is a researcher at the Biomechanics and Applied Robotics Research Laboratory at Pontificia Universidad Catlica del Peru, where he focuses on upper-limb prosthetics and haptic systems in assistive technologies.

Organization/Fellow Location

Lima, Peru

Impact Location

Peru

Organization Structure

Hybrid