

Cristhian Forigua

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AI researcher with 4 years of experience in Deep Learning, Computer Vision, and Machine Learning. My work spans 2D/3D Generative AI, Egocentric Vision, 3D Recognition, and Biomedical Imaging. I hold a Master's in Biomedical Engineering with a focus on Egocentric Vision and 3D computer vision and have contributed to research at Center for Research and Formation in Artificial Intelligence (CinfonIA) and in the video game industry.

Education

Universidad de Los Andes <i>MSc in Biomedical Engineering</i> (GPA:4.8/5.0)	<i>Jan 2022 – April 2024</i>
◦ Research: 3D Computer vision, egocentric vision and medical imaging.	
Universidad de Los Andes <i>BSc in Systems and Computing Engineering</i> (GPA:4.33/5.0)	<i>Aug 2018 – April 2023</i>
Universidad de Los Andes <i>BSc in Biomedical Engineering</i> (GPA: 4.33/5.0)	<i>Aug 2017 – April 2022</i>

Experience

Senior AI/ML Engineer, Vrize	<i>Bogotá, Colombia</i> <i>Sept 2025 – Present</i>
◦ Developed and optimized AI-powered voice and text interaction systems, training custom models and enhancing dialog performance across teams.	
AI Integration Engineer, Reblink	<i>Toronto, Canada</i> <i>March 2024 – Present</i>
◦ Integrated diffusion-based GenAI models for 2D/3D game assets creation and LLM-powered and deep learning applications for videogames.	
Tech and AI Lead, Anteia S.A.S.	<i>Bogotá, Colombia</i> <i>June 2021 – Aug 2025</i>
◦ Led the development of computer vision and NLP systems for document verification and intelligent assistants.	
Research Assistant in Computer Vision and AI, CinfonIA, Universidad de Los Andes	<i>Bogotá, Colombia</i> <i>Jan 2022 – Dec 2023</i>
◦ Conducted research in 3D recognition, egocentric vision and medical imaging, resulting in publications at top-tier conferences.	
Graduate Teaching Assistant, Universidad de Los Andes	<i>Bogotá, Colombia</i> <i>Jan 2022 – Aug 2023</i>
◦ Assisted in graduate-level courses in AI and computer vision, mentoring students and supporting applied machine learning research.	

Publications & work

New algorithms for unsupervised cell clustering from scRNA-seq data 	Bioinformatics Advances
Robles, M., Díaz-Riaño, J. <i>Forigua, C.</i> , ... Duitama, J.	
EgoCast: Forecasting Egocentric Human Pose in the Wild 	WACV 2025
Escobar, M., Puentes, J. <i>Forigua, C.</i> , Pont-Tuset, J. Maninis, K. K. Arbelaez, P.	
Ego-exo4D: Understanding Skilled Human Activity from First-and Third-Person Perspectives 	CVPR 2024 (Oral)
Grauman, K., Westbury, A., Torresani, L., Kitani, K., Malik, J., ..., Wray, M.	
Egocentric Scene Interpretation 	Thesis work 2023
<i>Forigua, C.</i> , Chacón, I., Pérez G., Pont, J., Maninis, K., Arbeláez, P.	
EgoCOL: Egocentric Camera Pose Estimation for Open-world 3D Object Localization 	CVPR Workshop 2023

Forigua, C., Escobar, M., Pont-Tuset, J., Maninis, K. K., Arbeláez, P.

SuperFormer: Volumetric Transformer Architectures for MRI Super-Resolution [🔗](#) MICCAI-SASHIMI 2022

Forigua, C., Escobar, M., Arbelaez, P.

Research Awards

2nd Place, Visual Queries 3D Localization Challenge at Ego4D Workshop CVPR 2023

Recognized for developing a camera pose estimation pipeline that increased 3D localization accuracy, competing against top research teams in computer vision.

2nd Place, RealNoiseMRI Challenge at Medical Imaging meets NeurIPS Workshop MedNeurIPS 2021 workshop

Awarded for developing an advanced MRI super-resolution method that enhanced medical imaging accuracy.

Personal Awards

QE Scholarship Beneficiary August 2017- 2023

Award for outstanding academic performance, providing financial support for undergraduate studies.