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 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	*Jan 2022 – Dec 2023*
MSc in Biomedical Engineering (GPA:4.8/5.0)	

- **Research:** 3D Computer vision, egocentric vision and medical imaging.

Universidad de Los Andes	*Aug 2017 – Dec 2022*
BSc in Systems and Computing Engineering (GPA:4.33/5.0)	
Universidad de Los Andes	*Aug 2017 – Dec 2021*
BSc in Biomedical Engineering (GPA: 4.33/5.0)	

Experience

AI Integration Engineer, Reblink — *Toronto, Canada / March 2024 – Present*
- Integrated difussion-based GenAI models for 2D/3D game assets creation and LLM-powered aplications for videogames.

Tech and AI Lead, Anteia S.A.S. — *Bogotá, Colombia / June 2021 – Present*
- 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 — *Bogotá, Colombia / Jan 2022 – Dec 2023*
- Conducted research in 3D recognition, egocentric vision and medical imaging, resulting in publications at top-tier conferences.

Graduate Teaching Assistant, Universidad de Los Andes — *Bogotá, Colombia / Jan 2022 – Aug 2023*
- 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 🔗	Under review
Robles, M., Díaz-Riaño, J. ***Forigua, C.***, ... Duitama, J.	
EgoCast: Forecasting Egocentric Human Pose in the Wild 🔗	WACV 2025
Escobar, M., Puentes, J. ***Forigua, C.***, 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
Forigua, C., 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.	