# Jhon Lopez

*Curriculum Vitae*

## Personal Information


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## Education

2022 **PhD. Candidate in Computer Science**, *Universidad Industrial de Santander*, Bucaramanga, *Fourth Year*

2020-2022 **Master's Degree in Computer Science**, *Universidad Industrial de Santander*, Bucaramanga

2015-2020 **Bachelor Degree in Computer Science**, *Universidad Industrial de Santander*, Bucaramanga

## Key Achievements

2015–2020 **Ser Pilo Paga Scholarship**, *ICETEX*, *University Degree*

2020–2022 **Merit-Based Graduate Scholarship**, *UIS*, *Master Degree*

2022 Best Paper Award – International Conference on Image Processing (*ICIP*)

2023–2026 **Merit-Based Doctoral Scholarship**, *UIS*, *Ph.D. Degree*

## Journals

- **Lopez, J. et al.** (2025) MambaStyle: Efficient StyleGAN Inversion for Real Image Editing with State-Space Models. *arXiv arXiv:2505.15822*.
- **Arguello, P. et al.** (2024). Learning to Describe Scenes via Privacy-Aware Designed Optical Lens. *IEEE Trans. Comput. Imaging*, 10, 1069–1079.
- **Lopez, J. et al.** (2023). Depth Estimation from a Single Optical Encoded Image using a Learned Colored-Coded Aperture. *IEEE TCI*.
- **Lopez, J. et al.** (2021). Efficient Subspace Clustering of Hyperspectral Images using Similarity-

Constrained Sampling. *J. Appl. Remote Sens.*, 15(3), 036507.

## Conferences

- **Lopez, J. et al.** (2024). Privacy-Preserving Optics for Enhancing Protection in Face De-identification. *CVPR 2024*.
- **Perez, F. et al.** (2024). Privacy-Preserving Deep Learning Using Deformable Operators for Secure Task Learning. *ICASSP 2024*.
- **Arias, K. et al.** (2023). SDI-PixCar: Single Snapshot Compressive Spectral Depth Imaging via Pixeled Carrier. *LatinxinAI 2023*.
- **Arguello, P. et al.** (2022). Optics Lens Design for Privacy-Preserving Scene Captioning. *ICIP 2022* (pp. 3551–3555).
- **Lopez, J. et al.** (2021). Fast Subspace Clustering Algorithm with Efficient Similarity-Constrained Sampling for Hyperspectral Images. *MLSP 2021* (pp. 1–6).
- **Lopez, J. et al.** (2018). Numerical Solution of Laplace's Equation for the Magnetic Scalar Potential in the SARA Model. *XXVII National Congress of Physics, Colombia*.
- **Lopez, J. et al.** (2022). Depth Estimation Using a Monocular Encoded Acquisition System. *CLICAP 2022*.

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