

Laura Camila Diaz-Delgado

@lauracamiladiazdelgado@gmail.com |  LinkedIn |  GitHub |  Colombia

EDUCATION

Universidad Industrial de Santander (UIS)

B.Sc. in Computer Science GPA: 4.55/5.00

Apr 2022 – Present (Expected Graduation: 2026)

WORK EXPERIENCE

Assistant Researcher

Bucaramanga, Colombia

High Dimensional Signal Processing Research Group (HDSP)

2022 – Present

- Leadership and coordination of the hotbed group in “Coding design for compressive sampling of multidimensional signals using techniques based on deep learning”.
- Coordination and supervision of operational processes for the project “Low-cost multispectral optical-computational system in the near-infrared for estimating the physicochemical properties of dried cocoa beans using deep learning”.
- Responsible for the acquisition of spectral signatures of dried cocoa beans in the optical laboratory, including spectral data preprocessing and quantitative validation of classification and regression algorithms.
- Development and validation of a survey instrument, as well as application of inferential methods and data processing to quantify the effectiveness of privacy-preserving techniques in clinical datasets.

AWARDS & ACHIEVEMENTS

“**Best University Choir of Colombia 2024 and 2025**”: First place in “Festival Nacional Universitario de Coros y Ensamblés Vocales”, role: Soprano in UIS University Choir - Asociación Colombiana de Universidades (ASCUN).

“**Arrurrú**”: Most Dedicated Chorus Member Award - Coral Universitaria UIS

“**Generación E, Excelencia**”: Full undergraduate scholarship for excellence - Colombian Government and ICETEX

Medals: “**Excelencia**”, “**Liderazgo**” y “**Espíritu Anunciato**” - Instituto Santa Teresita

ADDITIONAL TRAINING AND CERTIFICATIONS

French Certification - Level B2

Aug 2022 - Dec 2023

Ambassade de France en Colombie, certified as CEFR B2 level

Telecommunications Data Network Cabling Design

Aug 2023 - Oct 2023

Servicio Nacional de Aprendizaje (SENA), 48 hours course

Diplomado en Habilidades de Programación - Misión TIC 2022

May 2021 - Dec 2021

800-hour virtual course focused on Web Application Development.

English Certification - Level B2

2011 - May 2020

GPA: 4.7/5.00. Language Institute of the UIS, independent user B2 according to MCER

EXTRACURRICULAR ACTIVITIES

Marketing Chair of the STSIVA International Conference

2024 - Present

Management of local logistics and design of visual materials for the conference

Soprano in UIS University Choir

2022 - Present

Representation of the university, promoting culture within and outside the academic community

SKILLS

Programming: Python, MATLAB, C++, Pytorch, Tensorflow, Git

Languages: Spanish (Native), English (Fluent), French (Professional)