KIMBERLY GRACE SEVILLANO COLINA

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EXPERIENCE

Master thesis Internship
CNRS-AIST JRL (Joint Robotics Laboratory), IRL

📅 Feb. 2024 - Present   📍 Tsukuba, Japan

- To develop and calibrate a fisheye camera system and its software, aiming for neural network training to enable depth prediction in robotic environments.

Data Intelligence Specialist
Ferreyros S.A.

📅 Sep. 2021 - Sep. 2022   📍 Lima, Peru

- Part of the analytics and reportability team that is responsible for processing, analyzing and modeling mining equipment health data using A.I.

Research Leader - Computer Vision
Lab Smart Machines CTIC-UNI (Information Technology and Communications Center)

📅 Jan. 2021 - Mar. 2022   📍 Lima, Peru

- Team leader of the Rover farmer project (Berry-bot), in charge of the detection of pests and diseases in the crop (blueberries).

Electronic researcher
INAIGEM (National Institute for Research in Glaciers and Mountain Ecosystems)

📅 Jul. 2019 - Jan. 2021   📍 Huaraz, Peru

- Developed an electronic prototype that detected avalanches' sound in real-time with A.I. algorithms.

Research Internship
INICTEL-UNI (National Institute of Research and Training in Telecommunications)

📅 May. 2018 - May. 2019   📍 Lima, Peru

- Member of the team where a method of segmentation and measurement of areas covered by water palm in aerial images acquired by drones or UAV.

PUBLICATIONS

📄 **Journal Articles**

- Morales, G., Kemper, G., Sevillano, G., Arteaga, D., Ortega, I., & Telles, J. (2018). Automatic segmentation of mauritia flexuosa in unmanned aerial vehicle (uav) imagery using deep learning. *Forests*, *9*(12). doi:10.3390/f9120736

LANGUAGES

Spanish ●●●●●
English ●●●○○
French ●●○○○

TECHNICALS SKILLS

ML Frameworks (Tensorflow / Keras, PyTorch)

Python | SQL | C/C++ | ROS | Matlab

LaTeX | Eagle | LTspice | Proteus

Electronic instrumentation | Jetson | ESP32

Raspberry Pi | Arduino Platform | Jetson Nano

EDUCATION

M.Sc. in Signal and Image Processing with specialization in Computer Vision and Robotics (VIBOT)
University of Burgundy

📅 Sep. 2022 – Present   📍 France

B.Sc. in Electronic Engineering
Universidad Nacional de Ingeniería (UNI)

📅 Mar. 2013 – Jul. 2018   📍 Peru

ADDITIONAL EDUCATION

MITx MicroMasters in Statistics and Data Science
Funded by Aporta as part of the Advanced Program in Data Science & Global Skills

📅 May. 2021   📍 Online (USA)

- The program provided MIT's rigorous, high-quality curricula. It lasts 18 months, with courses about data science, statistics and ML.

BI MASTER - Business Intelligence Master
Laboratório de Inteligência Computacional Aplicada

📅 Sep. 2020   📍 Online (Brasil)

- Postgraduate diploma focusing on Artificial Intelligence (AI): Machine Learning, Big Data, Python and Statistics.

HONORS & AWARDS

🏆 **UBFC International Masters Merit Scholarship Sep. 2023**
Awarded a merit scholarship for ranking in the top three of the first year in the VIBOT Master program.

🏆 **Scholarship for the "Alberto Benavides de la Quintana - French Embassy 2022" [top 4%] Feb. 2022**
Winner of the 'Alberto Benavides de la Quintana - French Embassy 2022' master's scholarship.

🏆 **QING Innovation Track - Competition for Climate Adaptation in Food Systems [top 5%] Oct. 2021**
As part of Team Berry-bot we won funding and obtained the top 5 of the Qing Innovation track (Netherlands).

🏆 **Scholarship for the "Advanced Program in Data Science & Global Skills" [top 8%] May. 2021**
Winner of a scholarship for the "Advanced Program in Data Science & Global Skills", hosted by MIT and Aporta.

🏆 **Bolsa de Pós-Graduação BI Master 2020.2 - Lab. ICA - Puc Rio Sep. 2020**
Winner of one of the scholarships of the BI MASTER postgraduate program.

🏆 **French Alliance Fellowship Aug. 2020**
Winner of one of the 100 national scholarships offered by the French Embassy to study the French language.

VOLUNTEER WORK

👤 **Data Science Women 04/20 - 12/20**
Led the programming team focused on empowering women in data science, AI, and technology sectors.

🖥 **Vice Chair IEEE Circuits and Systems 05/17 - 05/18**
Supported UNI undergraduates in the development and research of circuits and systems projects.

👤 **Vice Chair IEEE Women in Engineering 07/16 - 03/17**
Co-founded IEEE WIE UNI, advancing women-led interdisciplinary projects.