

Kimberly Grace Sevillano Colina

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EDUCATION

University of Burgundy <i>M.Sc. in Signal and Image Processing with specialization in Computer Vision and Robotics</i>	Sep. 2022 – Present <i>Burgundy, France</i>
Universidad Nacional de Ingeniería <i>B.Sc. in Electronic Engineering</i>	Mar. 2013 – Jul. 2018 <i>Lima, Peru</i>

ADDITIONAL EDUCATION

MITx MicroMasters in Statistics and Data Science <i>Funded by Aporta as part of the Advanced Program in Data Science & Global Skills</i> The program provided MIT's rigorous, high-quality curricula. It lasts 18 months, with courses about data science, statistics and machine learning.	May. 2021 – May. 2023 <i>USA Online</i>
BI MASTER - Business Intelligence Master <i>Laboratório de Inteligência Computacional Aplicada (ICA PUC-RIO)</i> Postgraduate diploma focusing on Artificial Intelligence (AI): Machine Learning, Big Data, Python and Statistics.	Sep. 2020 <i>Online - Rio, Brasil</i>

EXPERIENCE

Master thesis Internship <i>CNRS-AIST JRL (Joint Robotics Laboratory), IRL</i> Will engineer and calibrate a comprehensive camera system with custom software development, aiming to create and train a neural network for accurate depth prediction in spherical fields-of-view, optimized for robotic applications.	Feb. 2024 – Present <i>Tsukuba, Japan</i>
Data Intelligence Specialist <i>Ferreiros S.A.</i> Part of the analytics and reportability team that is responsible for processing, analyzing and modeling mining equipment health data using A.I..	Sep. 2021 – Sep. 2022 <i>Lima, Peru</i>
Computer vision Engineer/Internship <i>TECH INNOVATION S.A.C.</i> Collaborated in a team to develop real-time object detection systems for automatic identification of bags on conveyor belts.	May. 2021 – Sep. 2021 <i>Lima, Peru</i>
Research Leader - Computer Vision <i>Lab Smart Machines CTIC-UNI (Information Technology and Communications Center)</i> Team leader (artificial vision area) of the Rover farmer project, in charge of the detection of pests and diseases in the crop (blueberries) through image and video in real-time.	Jan. 2021 – Mar. 2022 <i>Lima, Peru</i>
Electronic researcher <i>INAIGEM (National Institute for Research in Glaciers and Mountain Ecosystems)</i> Developed an electronic prototype that detected avalanches' sound in real-time with A.I. algorithms.	Jul. 2019 – Jan. 2021 <i>Huaraz, Peru</i>
Research Internship <i>INICTEL-UNI (National Institute of Research and Training in Telecommunications)</i> 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 was being worked. (<i>Digital Signal and Imaging Processing Area</i>)	May. 2018 – May. 2019 <i>Lima, Peru</i>
Internship Presales Engineer <i>Telefónica del Perú</i> Member of the Pre-Sales Engineering and IT solutions team.	Nov. 2017 – May. 2018 <i>Lima, Peru</i>

PUBLICATIONS

Morales, G., Kemper G., Sevillano G. , Arteaga D., Ortega I., and Telles J. (2018). "Automatic Segmentation of <i>Mauritia flexuosa</i> in Unmanned Aerial Vehicle (UAV) Imagery Using Deep Learning". <i>In: Forests 9.12. Doi: 10.3390/f9120736</i>	Aug. 2018
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HONORS & AWARDS

UBFC International Masters Merit Scholarship [top 3 %] <ul style="list-style-type: none">• Awarded a merit scholarship for ranking in the top three of the first year in the VIBOT Master program.	Sep. 2023
Scholarship for the "Alberto Benavides de la Quintana - French Embassy 2022" [top 4 %] <ul style="list-style-type: none">• Winner of the 'Alberto Benavides de la Quintana - French Embassy 2022' master's scholarship.	Feb. 2022
QING Innovation Track - Competition for Climate Adaptation in Food Systems [top 5 %] <ul style="list-style-type: none">• As part of Team Berry-bot we won funding and obtained the top 5 of the Qing Innovation track.	Oct. 2021
Scholarship for the "Advanced Program in Data Science & Global Skills" [top 8 %] <ul style="list-style-type: none">• Winner of a scholarship for the "Advanced Program in Data Science & Global Skills", hosted by MIT and Aporta.	May. 2021
Bolsa de Pós-Graduação BI Master 2020.2 - Lab. ICA - Puc Rio <ul style="list-style-type: none">• Winner of one of the scholarships of the BI MASTER postgraduate program of the Computational Intelligence Laboratory	Sep. 2020
Mentoring Program Scholarship <ul style="list-style-type: none">• Winner of the SERENDIPITY Science Mentoring Cohort 2020	Mar. 2020
"Summer school in NLP and MT" <ul style="list-style-type: none">• Winner of the 30 national scholarships offered by Artificial Intelligence Group - PUCP.	Jan. 2020
French Alliance Fellowship <ul style="list-style-type: none">• Winner of one of the 100 national scholarships offered by the Alliance French and the French Embassy to study the French language	Aug. 2020
Project idea contest <ul style="list-style-type: none">• Third post at technical level II. "Fingerprint translator in real time"	Aug. 2015

INVITED TALKS

"Master's journey funded by the 'ABQ - French Embassy' scholarship". <ul style="list-style-type: none">• Invited by Patronato UNI (Peru) and Campus France Peru.	Dec. 2023
"UNI Experience - Electronic Engineering". <ul style="list-style-type: none">• Given at the Universidad Nacional de Ingeniería (UNI) as part of a series of professional talks, which was organized by Inspirate UNI.	Dec. 2022
"Insights and strategies for securing the ABQ - France scholarship". <ul style="list-style-type: none">• Given at the event 'Electronic Week 2022', organized by the Pedro Paulet student center of the FIEE - UNI.	Nov. 2022
"Panel : Challenges and opportunities of working in the data science world". <ul style="list-style-type: none">• Invited by WiDS (Women in Data Science) Lima 2022 and BREIT.	Mar. 2022

CERTIFICATIONS & RELEVANT COURSES

"6.419x: Data Analysis: Statistical Modeling and Computation in Applications" <ul style="list-style-type: none">• by MITx.	Sep. 2022
"18.6501x: Fundamentals of Statistics" <ul style="list-style-type: none">• by MITx.	May. 2022
"6.86x: Machine Learning with Python-From Linear Models to Deep Learning" <ul style="list-style-type: none">• by MITx.	Nov. 2021
"6.431x: Probability - The Science of Uncertainty and Data" <ul style="list-style-type: none">• by MITx.	Sep. 2021
"Summer School NMA-Deep Learning" <ul style="list-style-type: none">• by Neuromatch Academy.	Aug. 2021

"Building Transformer-Based Natural Language Processing Applications" <ul style="list-style-type: none"> • by NVIDIA DLI Workshop. 	2021
"Neural Networks and Deep Learning" <ul style="list-style-type: none"> • by deeplearning.ai on Coursera. 	2019
"Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization" <ul style="list-style-type: none"> • by deeplearning.ai on Coursera. 	2019
"Structuring Machine Learning Projects" <ul style="list-style-type: none"> • by deeplearning.ai on Coursera. 	2019
Probability and Stochastic Processes Course (INICTEL-UNI) (<i>Course</i>)	May. 2018
Remote Sensing Workshop Course: Big Data and Machine Learning Applications (CAFAE INICTEL-UNI) (<i>Course</i>)	Jul. 2017
"Certificate in Linux Programming" <ul style="list-style-type: none"> • India Peru center of Excellence in information Technology (IPCEIT). 	Oct. 2016 – Jan. 2017
"Certificate in C++ Programming" <ul style="list-style-type: none"> • India Peru center of Excellence in information Technology (IPCEIT). 	Apr. 2016 – May. 2016

VOLUNTEER WORK

Volunteer at ICCV (2023) - Paris	02 - 06 Oct. 2023
Data Science Women Leader of the programming team that educates, inspires and empowers more women in data science and AI.	Apr. 2020 – Dec. 2020
Vice Chair IEEE Circuits and Systems – <i>Universidad Nacional de Ingeniería</i> Promoted the development of circuits and systems research projects by the undergraduate students of UNI.	May. 2017 – May. 2018
Vice Chair IEEE Women in Engineering – <i>Universidad Nacional de Ingeniería</i> Co-Founder of the IEEE WIE UNI. Promoted the development of interdisciplinary projects led by women.	Jul. 2016 – Mar. 2017

LANGUAGES

Spanish (native)	English [B2] (advanced)	French [A2] (basic)
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TECHNICALS SKILLS

Software	: Machine Learning Frameworks (PyTorch, Tensorflow/Keras), Python, C/C++, OpenCV, R, ROS, Matlab, SQL, \LaTeX , Eagle, LTspice, Proteus, Power BI.
Hardware	: Electronic instrumentation, Jetson Nano, Raspberry Pi, Arduino Platform, ESP32.