Kimberly Grace Sevillano Colina

✉ ksevillanocolina@gmail.com | ☎ +33 7 81 65 47 98 | in grace-sevillano | ○ GraceSevillano | 🌐 gracesevillano

EDUCATION

University of Burgundy   Sep. 2022 – Sep. 2024
EIPHI Graduate School Engineering, Physics and Sciences for Innovation and Research   *Burgundy, France*
M.Sc. in Signal and Image Processing with specialization in Computer Vision and Robotics (VIBOT)

Universidad Nacional de Ingeniería   Mar. 2013 – Jul. 2018
School of Electrical and Electronic Engineering   *Lima, Peru*
B.Sc. in Electronic Engineering

ADDITIONAL EDUCATION

MITx MicroMasters in Statistics and Data Science   May. 2021
Funded by Aporta as part of the Advanced Program in Data Science & Global Skills   *Lima, Peru*
The program provided MIT's rigorous, high-quality curricula. It lasts 18 months, with courses about data science, statistics and ML.

Laboratório de Inteligência Computacional Aplicada (ICA PUC-RIO)   Sep. 2020
BI MASTER - Business Intelligence Master   *Rio, Brasil*
Postgraduate diploma focusing on Artificial Intelligence (AI): Machine Learning, Big Data, Python and Statistics.

EXPERIENCE

Research Assistant (Master Thesis)   Feb. 2024 – Sep. 2024
CNRS-AIST JRL (Joint Robotics Laboratory), IRL   *Tsukuba, Japan*
Developing and calibrating a hybrid fisheye-depth camera system for 3D mapping and SLAM. Using neural networks for depth prediction and AI techniques to enhance localization accuracy.

Data Intelligence Specialist   Sep. 2021 – Sep. 2022
Ferreyros S.A.   *Lima, Peru*
Part of the analytics and reportability team that is responsible for processing, analyzing and modeling mining equipment health data using A.I..

Computer vision Engineer/Internship   May. 2021 – Sep. 2021
TECH INNOVATION S.A.C.   *Lima, Peru*
Collaborated in a team to develop real-time object detection systems for automatic identification of bags on conveyor belts.

Electronic researcher   Jul. 2019 – Jan. 2021
INAIGEM (National Institute for Research in Glaciers and Mountain Ecosystems)   *Huaraz, Peru*
Developed an electronic prototype that detected avalanches' sound in real-time with A.I. algorithms.

Research Internship   May. 2018 – May. 2019
INICTEL-UNI (National Institute of Research and Training in Telecommunications)   *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.

Internship Presales Engineer   Nov. 2017 – May. 2018
Telefónica del Perú
Member of the Pre-Sales Engineering and IT solutions team.

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.

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 of the Computational Intelligence Laboratory

French Alliance Fellowship   Aug. 2018
- Winner of one of the 100 national scholarships offered by the Alliance French and the French Embassy to study the French language

Project idea contest   Aug. 2015
- Third post at technical level II. "Fingerprint translator in real time"

PUBLICATIONS

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

CERTIFICATIONS & RELEVANT COURSES

"6.419x: Data Analysis: Statistical Modeling and Computation in Applications"   Sep. 2022
- by MITx.

"18.6501x: Fundamentals of Statistics"   May. 2022
- by MITx.

"6.86x: Machine Learning with Python-From Linear Models to Deep Learning"   Nov. 2021
- by MITx.

"6.431x: Probability - The Science of Uncertainty and Data"   Sep. 2021
- by MITx.

"Summer School NMA-Computational Neuroscience"   Jul. 2021
- by Neuromatch Academy.

"Neural Networks and Deep Learning"   2019
- by deeplearning.ai on Coursera.

"Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization"   2019
- by deeplearning.ai on Coursera.

"Structuring Machine Learning Projects"   2019
- by deeplearning.ai on Coursera.

"Certificate in Linux Programming"   Oct. 2016 – Jan. 2017
- India Peru center of Excellence in information Technology (IPCEIT).

"Certificate in C++ Programming"   Apr. 2016 – May. 2016
- India Peru center of Excellence in information Technology (IPCEIT).

VOLUNTEER WORK

Volunteer at ICCV 2023 (International Conference on Computer Vision)   Oct. 02 – Oct. 06, 2023
Assisted in organizing and facilitating sessions at a leading computer vision conference, supporting international attendees.

Volunteer Research Leader (Berry-bot) - Computer Vision   Jan. 2021 – Mar. 2022
Lab Smart Machines CTIC-UNI (Information Technology and Communications Center)   *Lima, Peru*
Led the Rover farmer project, responsible for detecting pests and diseases in blueberry crops.

Data Science Women   Apr. 2020 – Dec. 2020
Leader of the programming team that educates, inspires and empowers more women in data science and AI..

Vice Chair IEEE Circuits and Systems − *Universidad Nacional de Ingeniería*   May. 2017 – May. 2018
Promoted the development of circuits and systems research projects by the undergraduate students of UNI.

Vice Chair IEEE Women in Engineering − *Universidad Nacional de Ingeniería*   Jul. 2016 – Mar. 2017
Co-Founder of the IEEE WIE UNI. Promoted the development of interdisciplinary projects led by women.

LANGUAGES

Spanish(native)   **English [C1]**(advanced)   **French [B1]**(Intermediate)

TECHNICAL SKILLS

Programming Languages	Python, C/C++, MATLAB, SQL
Data Analysis	Pandas, NumPy, SciPy
ML & DL Frameworks	TensorFlow, PyTorch, Scikit-learn
Computer Vision	OpenCV, VISP, libPer
Robotics & SLAM	ROS, SLAM algorithms, 3D/4D Reconstruction, Point Cloud Processing
Optimization	Numerical optimization techniques with NumPy and SciPy
Hardware	Jetson, Raspberry Pi, Arduino Platform
Development Tools	Git, Linux