Grisel Quispe

Master Student M2 in Machine Learning and Data Mining

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https://github.com/GriselQ23

Education

Master in Machine Learning and Data Mining
2023-2025

Université Jean Monnet

Important Subjects: Advanced Algorithmics, Research Methodology, Artificial Intelligence, Machine Learning, Deep Learning, Data Mining.

Bachelor's degree in Mechatronic Engineering
2015-2021

Bolivian Catholic University

Important Subjects: Digital Electronics, Signal Processing, Calculus, Programming, Probability and Statistics.
Thesis Topic: Poverty prediction model. Case: CIDIMEC.

Work Experience

HSM (HydroSciences Montpellier), TETIS LAB

April-August
2024

Intern

Transform document since pdf into txt using pretrained model GROBID from Hugging Face
Extract sentences from paragraphs and classifying them using Supervised Machine Learning: SVM/Bag of Words and BERT
Extract Entities like dates, specific verbs, from sentences and create rules to build pipelines with Regex ,Spacy and Doccano.

CIDIMEC (Center of research, development and innovation in Mechatronics Engineering)

2022 -2023

Co-research in Darwin Team

Reviewed the literature regarding the state of the art on Diabetic Retinopathy detection.
Examined datasets with Exploratory Data Analysis (EDA) from fundus eye images.
Preprocess images delating the noise and making data augmentation.
Developed the pipeline to implement an inference Deep Learning model to predict Diabetic Retinopathy grade.
Developed and compared prediction model performance.

Academic Experience

STUDENT SCIENTIFIC SOCIETY
2019 - 2020

Leader team: Futboltron

Developed software for computer vision real-time tasks.
Computed the communication between an embedded system, the camera, and the electronic part.
Image process, using OpenCV and Kalman filter for prediction.

Aditional Education

Online
2021

Platzi

Courses
Practical Foundations of Machine Learning
Intermediate Python Course
Python Professional Course

Online
2021

Coursera

Courses
Classification with Transfer Learning in Keras
Image Classification with CNNs using Keras
Satellite Imagery Analysis in Python

Mar - Jul
2022

Hack Cities

Artificial Vision for the Sustainable Development Goals

Awards and Scholarships

Oct - Dec 2022	100% scholarship in the U.S. Embassy's Conecta Mentora program.
Mar - Jul 2022	100% scholarship BootCamp Artificial Vision for the Sustainable Development Goals, supported by U.K. Embassy.
Feb - Dec 2020	100% scholarship on the Leaders Fellowship course. From Student Energy Canada.
Jun 2015	1st place prize Funtec 2015 robotics competition.

Volunteer Experience

President and Vicepresident
2018 - 2020

IEEE PES branch UCB (Institute of Electrical and Electronics Engineers, Power and Energy Society)   La Paz, Bolivia

Organized activities to match industry professionals with students. Worked together with other branch chapters to organize the most important engineering event of the year ITEC 2020. Represented my chapter in meetings with branches of other universities.

Vice President and Co-founder
2018 - 2019

Student Energy UCB chapter   La Paz, Bolivia

Co-founded the first Student Energy chapter in Bolivia and connected with other international chapters such as Canada, Trinidad & Tobago. As vice president, recruited volunteers to organize activities such as debates or discussions about youth empowerment in the energy sector. I had the privilege of representing Bolivia at the SES 2019 climate summit, giving a talk on "The incidence of young people in the formulation of energy policies in Bolivia".

Languages & Skills

Languages :	Skills:	Technologies:
English (C1)	Leadership	Python
French (A1)	Work Team	Pytorch
Spanish (Native)	Decision-making capacity	Tensorflow
	Resilience	Pandas
		Numpy
		OpenCV
		Deep Learning
		Natural Language Processing
		SpaCy

References

Sarah Valentin
TETIS / Researcher
Email : sarah.valentin@cirad.fr

Edwin Salcedo
CIDIMEC / Researcher
Email : edwin.salcedo@ucb.edu.bo

Hobbies

IMusician: I play Siku with a group of Woman 'Pankaritas del Viento' .
Writer: I have an article about Artificial Intelligence and Health Care in Ravelo.