



# Oscar Huarcaya

## Data Specialist - Computer Science

I define myself as a passionate science and technology enthusiast. As a 21st century professional, I am not defined by a programming language or the ability to use certain software; but the ability to identify needs to propose and implement solutions that can maximize business and society opportunities.

My main focus is on data processing and analysis, very fluent in python. I have supported initiatives such as **Melié-Peru** with its segmentation of products, customers and channels to enhance its digital sales and **dodvision** with the visualization of the storytelling of the Ergonomy and Productivity project for Volkswagen Brazil.

Among my qualities, adaptability, proactivity and analytical vision, results-oriented, stand out.

I am passionate about teaching, in June I start my master's degree in Data Science and I am looking for new challenges to continue enhancing my skills.

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Jesús María - Lima  
Perú

## Experience

Today

ADVANCE ANALYTICS  
COE - ENGINEERING

RELIABILITY DATA

BBVA

### DATA DEVELOPER ESPECIALIST

Development of interactive data visualization dashboards.  
Implementation of the ATM preventive maintenance classification model.

Leadership of the migration project and shutdown of technical intake debt.  
Monitoring and execution of global KPIs on the big data platform.  
Identification of points of improvement of the platform with transversal data teams (Quality, Government, Architecture, Security and Communications).  
Mesh monitoring of production processes, attention to requests, development of evolutions and resolution of incidents in the bank's big data platform.

DataStudio  
Spark  
Scala  
Hadoop  
ControlM  
Python  
bash  
Scrum  
Teradata  
Oracle  
SQL  
Kanban

2019, January

ELECTORAL IT AND  
TECHNOLOGY  
MANAGEMENT

ONPE  
OFICINA NACIONAL DE PROCESOS ELECTORALES

### ANALYST DEVELOPER

Leadership of the first application for monitoring and tracking elections in real time, with managerial dashboard and technical support desk (DMON).  
Collaboration with the document management system.  
Collaboration with the permit and schedule management system.  
Implementation of the automation system for identification cards, primers and braille sheets, as well as the monitoring of candidates and political organizations (ROPC).

AmCharts  
d3.js  
Scrum  
Angular  
JavaScript  
Oracle  
Java  
Spring

2018, April

SMART CITIES &  
UBIQUITOUS  
TECHNOLOGIES  
LAB

CTIC UNI  
CENTRO DE TECNOLOGIAS DE INFORMACION Y COMUNICACIONES  
UNIVERSIDAD NACIONAL DE INGENIERIA

### DATA SCIENCE RESEARCHER / ANALYST DEVELOPER

Implementation of genetic algorithms (EAS) and of distribution estimation (EDAS) to optimize the search for hyper-parameters of supervised learning models.  
Implementation of performance scripts and resource consumption for the university cluster.  
Support with raspberry sensor modules.  
Implementation of the purchasing module for the UNI Postgraduate ERP.

MongoDB  
Bash  
Python  
PHP  
PostgreSQL  
IOT  
Laravel

2017, July

CONSULTING &  
MANAGEMENT



### ANALYST DEVELOPER

Implementation of statistical reporting modules at a managerial level in the electronic medical history system that involves the status of appointments, offices, patients, doctors and allocation of schedules.  
Insights were extracted to generate a preliminary self-diagnosis and recommended medications according to the typology of ailments.





Primefaces  
Spring  
Java  
JSP  
Constraint  
SQLServer

2017, January

# Education



## Higher Education

 <b>UPC</b> Universidad Peruana de Ciencias Aplicadas	<b>MASTER IN DATA SCIENCE</b> Admitted and enrolled	
2021, June		
 <b>PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ</b>	<b>SPECIALIZATION IN INNOVATION PROJECT MANAGEMENT AND NEW TECHNOLOGIES</b> Agile methods for Project Management. Industry 4.0 Technologies for the Company. Information Technology Management for Digital Transformation. Formulation of Business Innovation Projects. Business Process Management.	Design Thinking Scrum Lean PMBOK Tech4.0 KPI DataDriven OKR DAMA-DMBOK Kanban QFD 6Sigma
2021, April		
 <b>ILEN</b> International Business School	<b>SPECIALIZATION IN BUSINESS INTELLIGENCE BIG DATA &amp; ANALYTICS</b> Database administration, Data Warehouse, ETL and visualization. DataLake, pattern design, batch, storage and data governance. Business knowledge and value segmentation. Supervised / unsupervised exploratory analysis, visualization and modeling. Sentiment analysis, KPIs and model calibration.	SQL R Docker GIT Flume QlickView Spark Hive SPOOP Azure Impala Python Pig
2020, November 2018, December		
 <b>UNIVERSIDAD NACIONAL DE INGENIERIA</b> Science Faculty	<b>BACHELOR IN COMPUTER SCIENCE</b> Focus on algorithm optimization, good practices in the development and application of SOLID principles. Strong background in basic sciences, numerical and statistical simulation with research lines in data science and artificial intelligence.	Machine Learning C++ SQL Java BPM Linux git-flow Matlab Octave Python C Estadística Algoritmos bash Seguridad R
2018, May 2017		

## Other Estudios



BBVA	2021	Data Scientist Fundamentals
Udemy	2020	Devops MasterClass
		Machine Learning A-Z
BBVA	2019	Data Specialist Datio
BBVA	2019	Datio Procesing with Scala & Python
UNI	2017	Linux Server Administration
UNI	2016	Database administration

## Languages



<b>English</b>	<div><div></div></div>
2014 - FCE Cambridge English Level 1 (Europe Level B2)	
2013 - Avanced Level Británico	
<b>Portuguese</b>	<div><div></div></div>
2018 - advanced level CCPB	
<b>Espanish</b>	<div><div></div></div>
Mother tongue	

## Publications



Publication with a comparative approach for the optimization of hyperparameters of classification and regression models, using genetic algorithms to reduce the combinatorial sample space, being able to drastically reduce the consumption of resources and time by up to 90% with respect to GridSearch, converging to the same result.

IEEE Volumen 7

"Comparative Study of Supervised Learning and Metaheuristic Algorithms for the Development of Bluetooth-Based Indoor Localization Mechanisms"  
<https://ieeexplore.ieee.org/document/8642816>

## Certifications



- Scrum Fundamentals	Dec 2020
- Six Sigma Yellow Belt	Dec 2020
- Negotiation Associate	Jan 2021