Personal information

Surname(s) / First name(s)	**Cano, Luis**
Address(es)	Av. Juan de Aliaga 449, Lima, Perú
Telephone(s)	950439378
Email(s)	l.canovasquez95@gmail.com
Nationality(-ies)	Peruvian
Date of birth	Aug 09 1995
Gender	Male

Education

Place and Date	Universidad del Pacífico, 2013 – 2018
Title of qualification awarded	BSc in Information Engineering
Place and Date	María Reina Marianistas, 2002 – 2012
Title of qualification awarded	Primary School and High School

Research Activities

Project, Place and Date	**Deep Learning in finance, Universidad del Pacífico, Feb 2018 – Oct 2018**
Description	Part of the team responsible for the project "Deep Learning applied to time series forecasting" financed by the research fund of the Universidad del Pacífico. This project allows me to demonstrate my skills and knowledge in Deep Learning such that they are versatile to be applied even in the financial area
Project, Place and Date	**High Performance computing, Universidad del Pacífico, Mar 2018 – Jul 2018**
Description	I worked in a project with the enterprise "Storage Data" and "Universidad del Pacífico". The objective of this project was to create a High Performance Computing Laboratory at the university. The main tasks of the project were: create a cluster of computers, configure the system as a server and run parallel codes to check the performance of the cluster.
Project, Place and Date	**Smart Irrigation System, Municipality of San Isidro, Mar 2018 – Oct 2018**

Description | The project consisted in a consultancy to the Municipality of San Isidro, which is a government entity. The main problem encountered is the inadequate use of water resources for the irrigation of green areas. Therefore, an intelligent decision support system was developed based on information collected in real time from humidity and temperature sensors as well as web information about rainfall in the area. This consultancy was accepted and it was decided to implement the project in October 2018.

Project, Place and Date | **Mega-projects carbon footprint assessment using decision support systems in Latin America, Universidad del Pacífico, Jul 2017 – Dec 2017**

Description | The project consisted in the evaluation of mega-projects using data from the investment in energy and reduction of carbon dioxide by enterprises from Latin American countries. This evaluation was carried on using fuzzy inference systems to combine the social, economic and environmental impact of these projects and the information about the use of energy and the investment in the reduction of carbon dioxide.

Project, Place and Date | **Credit Scoring, Universidad del Pacífico, Jan 2017 – Jul 2017**

Description | This project was carried out jointly with the SBS, which is the banking and insurance superintendence, where customer data was obtained and a model was created that managed to classify them as good or bad payers. Likewise, clustering was done to identify the profiles of the payers in order to develop policies to increase or reduce the range of clients to whom the loans are given.

Project, Place and Date | **Data visualization, Universidad del Pacífico, Aug 2016 – Jan 2017**

Description | This project consisted in the use of sensor data of air pollutants to interpolate the areas of different heights using artificial neural networks. The results were translated into a cube that visually represented the pollutants in real time.

Project, Place and Date | **Air pollutants forecasting, Universidad del Pacífico, Apr 2016 – Aug 2016**

Description | This project consisted in the use of sensor data of environmental pollutants to forecast the sulfur dioxide values using other contaminants like carbon dioxide and nitrogen dioxide to help the districts of San Isidro and Miraflores to make policies regarding the contamination in the area.

Project, Place and Date | **Twitter Sentiment Analysis, Universidad del Pacífico, Apr 2016 – Jun 2016**

Description | The project consisted in the analysis of tweets of different districts of Lima to identify the perception of criminality because the national entities fail to update the information every year. This information is used by different studies in different fields.

Project, Place and Date | **Electric Energy forecasting, Universidad del Pacífico, May 2016 – Apr 2016**

Description | The project consisted in a consultancy to Peruvian mining companies to develop a forecasting model to estimate the use of energy in their plants. This model was carried on with the help of artificial neural networks. The results were accepted and implemented by these companies.

Research Internships

Place and Date | **Pontifícia Universidade Católica do Rio de Janeiro, Dec 2017 – Feb 2018**

Description | This research internship consisted in a course of Deep Learning at the university and also in the participation of different projects in the advanced computer intelligence laboratory. These projects consisted in natural language processing for text recognition, pattern recognition and classification tasks using Deep Learning. The course gave me the theoretical tools to develop complex models of Deep Learning and to apply them into real world problems. This internship helped me develop my computer skills and also my ability to carry out high impact projects.

International Conferences

Conference and Date | UCAmI, Dec 2018

Reference | Luis Cano, Claudio Ortega, Juan Lazo and Alvaro Talavera. Smart City Park Irrigation System: A Case Study of San Isidro, Lima - Peru. 12th International Conference on Ubiquitous Computing and Ambient Intelligence UCAmI, 2018.

Conference and Date | SimBig, Set 2018

Reference | Luis Cano, Alvaro Talavera, Mario Chong, David Paredes. Data Mining Algorithms for Risk Detection in Bank Loans. 5th International Conference on Information Management and Big Data, 2018.

Conference and Date | SimBig, Set 2018

Reference | Luis Cano, Ana Luna, Alvaro Talavera, Hector Navarro. Monitoring of air quality with low-cost electrochemical sensors and the use of artificial neural networks for the atmospheric pollutants concentration levels prediction. 5th International Conference on Information Management and Big Data, 2018.

Conference and Date | SimBig, Set 2018

Reference | Luis Cano, Claudio Ortega, Erick Hein, Mauricio Rada. Library data management: a new method to analyze borrowing behavior. 5th International Conference on Information Management and Big Data, 2018.

National Conferences and Working papers

Conference and Date | BCRP, Jun 2017

Reference | Luis Cano, Alvaro Talavera. Algoritmos de Data Mining para la Detección de Riesgo en Créditos Bancarios. XXXV Encuentro de Economistas del Banco Central de Reserva del Perú. BCRP, 2017.

Conference and Date | CIUP Repository, May 2017

Reference | Luis Cano, Alvaro Talavera, Ana Luna. Uso de sensores electroquímicos de bajo costo para el monitoreo de la calidad del aire en el distrito de San Isidro - Lima - Perú. Repositorio Centro de investigación de la Universidad del Pacífico, 2017

Posters

Conference and Date | Problem Based Learning for Sustainable Cities, Set 2018

Description | This poster was presented in the final conference of the City-Lab project financed by the Erasmus+ Programme of the European Union and the University of Antwerp. This was hosted in the University of Rosario in Bogotá, Colombia.

Personal skills and competences

Mother tongue(s) | **Spanish**

Other language(s) | English, Portuguese

Self-assessment *European level*(*)	**Understanding**		**Speaking**		**Writing**
	Listening	Reading	Spoken interaction	Spoken production	
English	Perfect	Perfect	Perfect	Perfect	Perfec
Portuguese	Good	Perfect	Good	Good	Average

(*) *Common European Framework of Reference (CEF) level*

Social skills and competences | Selected as a role model student during the period in the school for being a responsible person and leader. Also, many skills of teamwork acquired in the university for being the captain of the basketball team.

Organisational skills and competences | Leader of different research projects carried during the period of 2016 and 2018. During this period I learned different competences like responsibility, planning, teamwork, confidence, delegation, among others.

Technical skills and competences	Deep Learning, Advanced Mathematics, Data Mining, Advanced Statistics, Machine Learning, Project Development, among others.
Computer skills and competences	Python, Java, Scala, PySpark, Hadoop, Javascript, R, SQL, NoSql

Extracurricular Activities

Basketball	13 years of practicing basketball in the School and University team.
TECHO	Volunteer for 2 years, TECHO is an organization present in Latin America and Caribbean that seeks to overcome the situation of poverty that thousands of people live in precarious settlements, through the joint action of its residents and young volunteers
Creeré UP	Volunteer for 1 semester, Creeré UP is a youth organization that seeks to develop the skills and abilities of low income children so they can achieve their dreams while instilling values such as perseverance, honesty, caring for the environment, empathy, communication and family values.

Personal interests

Music, Basketball, Dancing and Singing