

**Dagoberto José
Herrera Murillo**

WORK EXPERIENCE

31/08/2020 - CURRENT - San José, Costa Rica

Dean of Engineering

Latin American University of Science and Technology (ULACIT)

ULACIT Engineering Faculty is home to seven academic departments (Industrial Engineering, Industrial Chemistry, Computer Science, Occupational Safety, Business Intelligence, Bioengineering & Electronics) serving more than 1,000 students.

09/2020 - CURRENT - San José, Costa Rica

Business Intelligence School Director

Latin American University of Science and Technology (ULACIT)

The Bachelor of Business Intelligence is a new program that integrates the best of computer science and business administration.

09/2020 - CURRENT - San José, Costa Rica

Computer Science/BI lecturer

Latin American University of Science and Technology (ULACIT)

Courses: Introduction to Cloud Computing, Process Mining

12/2020 - 08/2021 - San José, Costa Rica

Data Science Lecturer

LEAD University

Lead University has created the first undergraduate program in Data Science in Central America, a place where I was honored to teach "Data Management", "Big Data" & "Data Visualization" for future Data Scientists.

San José, Costa Rica

08/2020 - 08/2021 - San José, Costa Rica

Data Science Instructor

Dation de Costa Rica

We encourage small and medium businesses in Central America to enter the world of data science through Jupyter Notebooks and KNIME.

San José, Costa Rica

12/2015 - 06/2017 - San José, Costa Rica

BI Analyst

Dation de Costa Rica

-Elicit business requirements and key performance indicators for market research projects (Generic Statistical Business Process Model 5.0)

-Analyze data

-Prepare reports and dashboards with insights

Alajuela, Costa Rica

05/2014 - 06/2015 - San José, Costa Rica

Research Manager

Chamber of Information and Communication Technologies

Project: Mapping of the Costa Rican ICT Sector (Declaration of public interest by the Government of the Republic of Costa Rica)

San José, Costa Rica

EDUCATION AND TRAINING

08/2017 - 08/2019

Erasmus Mundus Joint Master in Big Data Management and Analytics (Cum laude)

1) Master of Science in Computer Science and Engineering

Université Libre de Bruxelles -ULB- (Belgium)

Core BI competences: traditional data management, business process management, and data analytics.

2) Master in Big Data Management and Analytics

BarcelonaTech -UPC- (Spain)

BD fundamentals: distributed management, semantic management, and distributed stream-based management.

3) Master of Science in Computer Science and Engineering

Eindhoven University of Technology -TU/e- (The Netherlands)

The specialization in "Business Process Analytics" at TU/e offers the bridge between data mining and business processes modeling and analysis.

Thesis: "Using social network analysis in open contracting data to detect corruption and collusion risks"

12/2009 - 05/2014 - Monterrey, Mexico

BSc Business Informatics (Highest Honorable Mention)

Tecnológico de Monterrey

07/2012 - 12/2012 - Vancouver, Canada

Management Information Systems

Simon Fraser University

Academic exchange program.

PUBLICATIONS

Publications

Publications indexed in Scopus

- 1- A digital look at the fracking controversy in Mexico. (2019). Gabriel Valerio, Dagoberto Herrera, Sergio Ruiz, Nalleli Salazar, & Gerardo Castañeda. *Espacios*. (Q3)
- 2- Disseminated articles through digital social channels and its relation with metrics of academic impact. (2019). Gabriel Valerio, & Dagoberto Herrera. *Revista Comunicación y Sociedad*. (Q2)
- 3- Digital engagement and social identity of sports fans: the case of premier league teams on Facebook. (2018). Dagoberto Herrera, Gabriel Valerio, & Lucía Rodríguez-Aceves. *Revista Iberoamericana de Psicología del Ejercicio y el Deporte*. (Q2)
- 4- Online social networks as a communication channel for open access journals. (2017). Gabriel Valerio, & Dagoberto Herrera. *Revista Latina de Comunicación Social*. (Q2)
- 5- The roles of the digital identity of college students entering in the labor market. (2016). Gabriel Valerio, Hugo Castro, & Dagoberto Herrera. *Espacios*. (Q3)
- 6- Messages on social networks and its impact on social capital. (2015). Susana González, Gabriel Valerio, & Dagoberto Herrera. *International Journal of Web Based Communities*. (Q3)
- 7- Purposes of the communication between companies and their Facebook followers. (2015). Gabriel Valerio, Dagoberto Herrera, Natalia Herrera, & Francisco Martínez. *Revista Latina de Comunicación Social*. (Q2)
- 8- The relationship between post formats and digital engagement: a study of the Facebook pages of Mexican universities. (2015). Gabriel Valerio, Dagoberto Herrera, Fernando Villanueva, & Natalia Herrera. *International Journal of Educational Technology in Higher Education*. (Q2)
- 9- Association between Publication Time on Social Networks and Engagement: A Study of Mexican Universities. (2014). Gabriel Valerio, Dagoberto Herrera, & María del Carmen Rodríguez. *Palabra Clave*. (Q3)

Conferences indexed in Scopus

- 1- Online Social Networks and Computer Skills of University Students (2014). International Conference e-Learning 2014. Maria Potes, Gabriel Valerio, & María del Carmen Rodríguez-Martínez, Dagoberto Herrera. July 15-19, 2014, Lisbon, Portugal.
- 2- Impact of Message's Length over Likes, Comments and Shares (2014). WEB 2014: The Second International Conference on Building and Exploring Web Based Environments. Gabriel Valerio, Natalia Herrera, Dagoberto Herrera, & María del Carmen Rodríguez. April 20 - 24, 2014, Chamonix, France.

HONOURS AND AWARDS

Honours and awards

1. Second Place, Latin American University Essay Competition (2018, National Institute for Transparency, Access to Information and Personal Data Protection, Mexico)
Essay title: *La revolución de los datos abiertos y el fortalecimiento de la democracia en América Latina / The open data revolution and the strengthening of democracy in Latin America*
2. Erasmus Mundus Partner country scholarship (2017, Europe)
3. Fundación Carolina Scholarship Program (2016, Spain)
4. Emerging Leaders in the Americas Program -ELAP- Scholarship (2012, Government of Canada)
5. Full scholarship for undergraduate studies (2010, Ministry of Science and Technology of Costa Rica)

COURSES

Courses

- 1- European Business Intelligence & Big Data Summer School (2018, The Netherlands)
- 2- Big & Open Data (2016, Universidad Complutense de Madrid, Spain)

CERTIFICATIONS

Certifications

- 1- ITIL Foundations (2014)
- 2- COBIT 5 Foundation (2014)
- 3- Certified Associate in Project Management (CAPM Number 1698522)
- 4- Neo4j Graph Data Science Certified (ID 17145930)

VOLUNTEER EXPERIENCE

Volunteer Experience

- (2016-Present) Abriendo Datos Costa Rica
(2020-Present) Open Data Day Local Organizer