

# ANDRES TELLO - ECUADOR

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## EDUCATIONAL BACKGROUND

**M.Sc. Computer Science (cum laude)** **March 2014**  
**Software Engineering & Distributed Systems**  
University of Groningen  
Faculty of Mathematics & Natural Sciences  
Groningen - The Netherlands

**Systems Engineer** **October 2009**  
University of Cuenca  
Faculty of Engineering, School of Informatics  
Cuenca - Ecuador

## PROFESSIONAL EXPERIENCE

Lecturer & Researcher May 2014 - Present  
University of Cuenca

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- Lecturer at the Faculty of Engineering, Systems Engineering School. (Discrete Mathematics, Programming I: Algorithms and Data Structures, Software Analysis and Design, NoSQL Databases)
- Junior Researcher at the Computer Science Department, Knowledge Management Group.

Trainee August 2013 - March 2014  
TNO - Netherlands

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- Researching about distributed real-time computation of sensor data streams.

Informatics Coordinator February 2010 - December 2011  
Faculty of Hospitality Sciences  
University of Cuenca

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- Administrator of the Integrated System of the University of Cuenca (SIUC).
- Computer Lab Administrator
- Instructor of the e-Learning and Collaboration System of the University of Cuenca

Software Engineer February 2009 - February 2010  
Software Development Department  
University of Cuenca

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- Design, development, testing and maintenance of the Integrated System of the University of Cuenca, SIUC "Sistema Integrado de la Universidad de Cuenca"

Software Developer March 2007 - February 2009  
IS Soluciones Cía. Ltda.

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- Banking systems for the Ecuadorian bank "Banco del Austro".
- Software for Civil Engineers.

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Software Developer December 2006 – March 2007  
Coellar Burbano Sistemas Cía. Ltda. (COBUS)

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- Control System for the Public Telephone Network of the Municipality of Cuenca.

Technical Assistant October 2006 – November 2006  
Habitierra Foundation

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- Subsystem for the Land Using Plan of the Municipality of Salitre, province of Guayas (Ecuador)

Intern October 2005 – January 2006  
ETAPA - Enterprise of Telecommunications,  
Drinking Water, Sewage and Sanitation of the city  
of Cuenca

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- Design, development and deployment of ArcGIS applications for maintaining data of drinking water and sewage systems of the city of Cuenca.
- Maintenance of Cartographic Information.

## RESEARCH EXPERIENCE

- March 2017 – Project: “Predictive Analysis of emergency events occurrence in the Province of Azuay, Ecuador”
- January 2015 / February 2017 – Project: “Integration, storage and exploitation of hydrometereological data using Big Data and Web Semantic”. (Co-Director)
- May 2014 / September 2014 – Project: “Use of medical ontologies to enhance the segmentation and visualization processes.”

## PUBLICATIONS

- Gualán, R., Freire, R., Tello, A., Espinoza, M., & Saquicela, V. (2017). [Automatic RDF-ization of big data semi-structured datasets](#). *Maskana*, 7(Supl.), 117-127.
- Sumba, X., Sumba, F., Tello, A., Baculima, F., Espinoza, M., & Saquicela, V. (2016). [Detecting Similar Areas of Knowledge Using Semantic and Data Mining Technologies](#). *Electronic Notes in Theoretical Computer Science*, 329, 149-167.
- Vega, F., Pérez, W., Tello, A., Saquicela, V., Espinoza, M., Solano-Quinde, L., ... & La Cruz, A. (2015, December). [WebMedSA: a web-based framework for segmenting and annotating medical images using biomedical ontologies](#). In 11th International Symposium on Medical Information Processing and Analysis (SIPAIM 2015) (pp. 968110-968110). International Society for Optics and Photonics.

- Perez, W., Tello, A., Saquicela, V., Vidal, M. E., & La Cruz, A. (2015, August). [An Automatic Method for the Enrichment of DICOM metadata Using Biomedical Ontologies](#). In Engineering in Medicine and Biology Society (EMBC), 2015 37th Annual International Conference of the IEEE (pp. 2551-2554). IEEE.
- Tello, A., La Cruz, A., Saquicela, V., Espinoza, M., & Vidal, M. E. (2015). [RDF-ization of DICOM medical images towards linked health data cloud](#). In VI Latin American Congress on Biomedical Engineering CLAIB 2014, Paraná, Argentina 29, 30 & 31 October 2014 (pp. 757-760). Springer International Publishing.
- Tello, A., Freire, R., Espinoza, M., & Saquicela, V. (2015). [Integration and Massive Storage of Hydro-Meteorological Data Combining Big Data & Semantic Web Technologies](#). 3rd. Ecuadorian Congress of Information and Communication Technologies TIC EC 2015, 6, 165-172.
- La Cruz, A., Tello, A., Espinoza, M., Saquicela, V., González, P., Sarmiento, Y., . . . Vidal, M. (2015). [Plataforma para la Búsqueda por Contenido Visual y Semántico de Imágenes Médicas](#). 3rd. Ecuadorian Congress of Information and Communication Technologies TIC EC 2015, 6, 13-20.

## **SCHOLARSHIPS AND AWARDS**

- March 2014 - Master's Cum Laude, University of Groningen. Distinction awarded in the event of demonstrated exceptional competence. This includes a weighted average mark higher than 8.0/10
- July 2013 - International Alumni Ambassador of the University of Groningen
- August 2011 - "Convocatoria Abierta 2011". Scholarship to attend Postgraduate Studies in a foreign country issued by the Ecuadorian Government to talented students and young professionals.
- March 2006 - First place in the Web Programming Contest of the Faculty of Engineering of the University of Cuenca.
- December 2005 - Third place in the National Programming Contest held in Ibarra - Ecuador.
- June 2005 - Second place in the 2nd Programming Contest of the South Region of Ecuador.

**LANGUAGES**

- Spanish: Mother Language
- English: Fluent (TOEFL iBT EXAM, SCORE: 102)

**TECHNICAL SKILLS**

- Operating Systems: GNU/Linux, Windows
- Programming Languages: .NET (Advance), Java (Advance), Python, C, C++, Matlab.
- Databases: Cassandra, MongoDB, CouchDB, Riak, Oracle, PostgreSQL, MySQL, SQL-Server

**OTHER INFORMATION**

- June 2006 - Participation in the 3rd Programming Contest of the South Region of Ecuador.
- April 2005 - Organization Committee Member of the 1st ICT International Congress of the University of Cuenca.
- April 2003 - Team Leader of the Logistics Committee of the 4th ICT National Congress of the University of Cuenca.
- April 2001 - Organization Committee Member of the 2nd ICT National Congress of the University of Cuenca.
- April 2000 - Organization Committee Member of the 1st ICT National Congress of the University of Cuenca.