

Roque Enrique López Condori

Curriculum Vitae

Rua César Ricome 33 – Ca 3
São Carlos, São Paulo, Brazil

✉ rlopezc27@gmail.com

🌐 www.nilc.icmc.usp.br/nilc/pessoas/rlopez/
Peruvian



Personal Information

Name López Condori, Roque Enrique
Marital Status Single
Nationality Peruvian
Address Rua César Ricome 33-Ca 3, Jardim Lutfalla, São Carlos, São Paulo, Brazil
LinkedIn <http://br.linkedin.com/in/roquelopez>
Github <https://github.com/rlopezc27>

Education

2013–2015 **Master in Computer Science**, *São Paulo University*, São Paulo, Brazil.
2006–2010 **Bachelor in Computer Science**, *San Agustín National University*, Arequipa, Peru.
2001–2005 **High School Diploma**, *Colegio Técnico Parroquial San Martín de Porres*, Arequipa, Peru.

Awards

- 2014, Young Scientific Best Paper in VII International Conference on Intelligent Information and Engineering Systems, Poland
- 2013, Top 5 undergraduate thesis in *V Simposio Peruano de Inteligencia Artificial*, Peru
- 2010, Placed in top 5 in the undergraduate, Peru
- 2005, First place and scholarship High School Diploma, Peru

Research Projects

July 2015 – present ***Patent Faceted Searches Using Topic Modeling***, *Elabora Consultoria*, São Paulo, Brazil.
This project aims to integrate advanced techniques of information retrieval for making faceted searches over collections of patents about different topics.

January 2014 – June 2015 ***Semantic Text Processing in Brazilian Portuguese***, *Samsung – ICMC/USP*, São Paulo, Brazil.
The overall objective of this project is to advance the state of the art in semantic processing of texts written in Brazilian Portuguese. With these resources, we will build mining and summarization texts applications, focusing on Internet opinions.

- January 2011 ***Automatic Summarization of Medical Records using Natural Language Processing techniques***, Cátedra CONCYTEC, Arequipa, Peru.
– December 2011 The goal of this project is to investigate and apply techniques to generate automatic summaries of many documents. We developed different methods to extract, select and organize the most important information.

Publications

- June 2015 **Roque López, Lucas Avanço, Pedro Balage, Alessandro Bokan, Paula Cardoso, Márcio Dias, Fernando Nóbrega, Marco Sobrevilla, Jackson Souza, Andressa Zacarias, Ariani Di Felippo, Eloize Seno and Thiago Pardo**, *A Qualitative Analysis of a Corpus of Opinion Summaries based on Aspects*, In the Proceedings of the IX Linguistic Annotation Workshop (LAW), co-located with NAACL, Colorado, USA.
- April 2015 **Roque López and Thiago Pardo**, *Experiments on Sentence Boundary Detection in User-Generated Web Content*, In the Proceedings of the XVI International Conference on Intelligent Text Processing and Computational Linguistics (CICLING), Cairo, Egypt.
- October 2014 **Verônica Agostini, Roque López and Thiago Pardo**, *Automatic Alignment of News Texts and their Multi-document Summaries: Comparison among Methods*, In the Proceedings of the XI International Conference on Computational Processing of Portuguese (PROPOR), São Carlos, Brazil.
- October 2014 **Márcio Dias, Alessandro Bokan, Carla Chuman, Cláudia Barros, Erick Maziero, Fernando Nobrega, Jackson Souza, Marco Sobrevilla, Marina Delege, Lucía Castro, Naira Silva, Paula Cardoso, Pedro Balage, Roque López, Vanessa Marcasso, Ariani Felippo, Maria Graças, Thiago Pardo**, *Enriquecendo o Corpus CSTNews - a Criação de Novos Sumários Multidocumento*, In the Proceedings of the I Workshop on Tools and Resources for Automatically Processing Portuguese and Spanish (ToRPorEsp), São Carlos, Brazil.
- October 2014 **Roque López, Javier Tejada and Mikhail Alexandrov**, *Medical Texts Classification based on Keywords using Semantic Information*, In the Proceedings of the VII International Conference on Intelligent Information and Engineering Systems (INFOS), Rzeszow-Krynica, Poland.
- September 2012 **Roque E. López, Javier Tejada and Mike Thelwall**, *Spanish Sentistrength as a Tool for Opinion Mining Peruvian Facebook and Twitter*, In the Proceedings of the V International Conference on Intelligent Information and Engineering Systems (INFOS), Rzeszow-Krynica, Poland.
- September 2012 **Angels Catena, Mikhail Alexandrov and Roque E. López**, *Parameterization of comments from Peruvian Facebook and Twitter: Lexical Resources and Algorithm*, In the Proceedings of the V International Conference on Intelligent Information and Engineering Systems (INFOS), Rzeszow-Krynica, Poland.
- October 2012 **Alessandro Bokan, Roque E. López**, *Método No Supervisado para la sugerencia de Tags utilizando información semántica basada en conocimiento*, In COMTEL-2012: Congreso Internacional de Computación y Telecomunicaciones, Lima, Peru.
- November 2011 **Roque E. López, Dennis Barreda and Javier Tejada**, *MFSRank: An Unsupervised Method to Extract Keyphrases Using Semantic Information*, In the Proceedings of X Mexican International Conference on Artificial Intelligence (MICAI). Lecture Notes in Artificial Intelligence. Springer, Puebla, Mexico.

- November 2011 **Roque E. López, Dennis Barreda, Javier Tejada and Luis Alfaro**, *Método supervisado orientado a la clasificación automática de Historias Clínicas*, In JCC-2011: Jornadas Chilenas de Computación. XXIII Encuentro Chileno de Computación (ECC), Curicó, Chile.
- September 2011 **Roque E. López, Mikhail Alexandrov and Javier Tejada**, *LexisTerm - The program for term selection by the criterion of specificity*, In the Proceedings of the IV International Conference on Intelligent Information and Engineering Systems (INFOS), Polanczyk, Poland.
- September 2011 **Ales Bourek, Mikhail Alexandrov and Roque E. López**, *Folksonomy - supplementing RICHE expert based taxonomy by terms from online documents*, In the Proceedings of the IV International Conference on Intelligent Information and Engineering Systems (INFOS), Polanczyk, Poland.
- August 2011 **Roque E. López, Dennis Barreda, Javier Tejada and Luis Alfaro**, *Clasificación automática de Historias Clínicas basada en Prototipos utilizando técnicas de Procesamiento de Lenguaje Natural*, In JPC-2011: Jornadas Peruanas de Computación, Pucallpa, Peru.
- August 2011 **Dennis Barreda, Roque E. López, Javier Tejada and Luis Alfaro**, *Un algoritmo genético para la agrupación de documentos aplicado en corpus con características diferentes*, In JPC-2011: Jornadas Peruanas de Computación, Pucallpa, Peru.

Experience

Industrial Work

- July 2015 – present **Researcher, Developer**, *Elabora Consultoria*, São Paulo.
I am investigating some information retrieval methods for making faceted searches over patent collections about different topics.
- October 2013 **Developer**, *Dicionário Criativo*, São Paulo.
– December 2013 I implemented a crawler for Twitter in Python. This crawler collects public comments about music, books and films. With this data and other resources the database was increased.
- January 2012 **Researcher, Developer**, *Sweb Solutions - Wayra Telefónica*, Lima.
– December 2012 We developed automatic techniques for Opinion Mining and Sentiment Analysis. In addition, I implemented a crawler for Facebook in Python. This crawler collects all public comments made on this social network.
- January 2011 **Researcher, Developer**, *Cátedra CONCYTEC*, Arequipa.
– December 2011 Basically we researched techniques to generate summaries of many texts. These summaries represent the most important data. I also researched and implemented Text Classification and Clustering algorithms.
- September 2010 – December 2010 **Interface Designer**, *Software Solutions S.A.C.*, Arequipa.
Development and documentation of the Graphical User Interfaces (GUI), taking as reference different criterias about usability for web applications.
- September 2010 – December 2010 **Interface Designer**, *MaxSer LTDA Cooperative*, Arequipa.
We developed the Graphical User Interfaces of the Credits and Collections module, it includes the elaboration of the navigability documents and prototypes. I also developed the executable prototype.

October 2009 **Analyst, Developer**, *EPISUNSA Development Centre*, Arequipa.
 – December 2009 Together with a group of colleagues, we worked on the design and development of the website of the Professional School of Systems Engineering.

Academic Work

February 2014 **Teaching Assistant**, *Professional Information in Computer Science*, with Dr. Thiago Pardo at São Paulo University.
 – July 2014
 June 2014 – present **Associate Editor**, *CompuScientia*, Peruvian Electronic Journal of the Students Society of Computer Science.

Congress and Scientific Events

2015 **Assistant**, *XVI International Conference on Intelligent Text Processing and Computational Linguistics*, Cairo - Egypt.
 2014 **Assistant**, *XI International Conference on Computational Processing of Portuguese*, São Carlos - Brazil.
 2014 **Assistant**, *VII International Conference on Intelligent Information and Engineering Systems*, Krynica - Poland.
 2013 **Assistant**, *V Simposio Peruano de Inteligencia Artificial*, Arequipa - Peru.
 2011 **Assistant**, *X Mexican International Conference on Artificial Intelligence*, Puebla - México.
 2011 **Assistant**, *X Jornadas Peruanas de Computación*, Pucallpa - Peru.
 2010 **Assistant**, *III Simposio Peruano de Inteligencia Artificial 2010*, Arequipa - Peru.
 2010 **Assistant**, *Congreso Internacional de Dirección de Proyectos 2010*, Arequipa - Peru.
 2010 **Assistant**, *XVI Congreso Internacional INFOTEK 2010 y FETEC 2010*, Arequipa - Peru.
 2010 **Assistant**, *Footprint techniques, Scanning, Sniffing, Vulnerability Analysis and Counter-measures*, Arequipa - Peru.

Languages

Spanish	Fluent	<i>native language</i>
English	Advanced Level	<i>completed studies</i>
Portuguese	Advanced Level	<i>completed studies</i>

Software Developed

Professional

2010 **NorjaWeb**, *Designer, Developer*, Arequipa.
 Developed for Caja Municipal de Tacna, NorjaWeb is a system (prototype) to manage documents (creation, update and downloads of documents), developed with JavaServer Faces (JSF 1.8) using SQL Sever 2005 as Database Manager.

2010 **SaunaSoft**, *Designer, Developer*, Arequipa.
 SaunaSoft is a desktop application with network operation (Client-Server Architecture), developed for Apolo company. SaunaSoft allows the management of customers, products, sales, purchasing, inventory and reporting, made using Swing and Java RMI.

Academic

2009 **MicroJava**, *Designer, Developer*, Arequipa.

MicroJava is a compiler developed using Java bytecodes, this project also includes an IDE (made with Qt) for compiling code written in MicroJava.

Programming Knowledge

Programming Languages

- Python
- Java
- C++
- PHP

Database Management System

- HBase
- MySql
- PostGres-SQL
- SQL Server

Others

- Ubuntu
- Latex

Main Interests

- o Opinion Summarization.
- o Sentiment Analysis and Opinion Mining.
- o Natural Language Generation.
- o Natural Language Understanding.
- o Natural Language Processing.
- o Software Development.

Hobbies

hobby 1 Play soccer.

hobby 2 Watch movies.

hobby 3 Read any kind of texts.