Rodrigo Parra

Curriculum Vitae

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Nationality: Paraguayan
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Education

2015– **EIT Masters in Data Science**, *Eindhoven University of Technology*, Eindhoven, Netherlands.
First year student.

2008–2014 **Informatics Engineering**, *Polytechnic Faculty, National University of Asunción*, San Lorenzo, Paraguay, *Grade Point Average – 4.19 in a scale of 1 to 5*.
Graduated with distinction.

2005–2007 **Technical High School Diploma in Informatics**, *Sagrado Corazón de Jesús High School*, Asunción, Paraguay.

1996–2004 **Elementary School Diploma**, *Sagrado Corazón de Jesús School*, Asunción, Paraguay.

Other Studies

2014 **Test Of English as a Foreign Language** , *Paraguayan American Cultural Center*, Asunción, Paraguay.
Score of 113 in a scale of 120. Issued by Educational Testing Service.

2013 **French Language Studies Diploma**, *Alliance Française*, Asunción, Paraguay.
A2 Level. Issued by the Ministry of National Education of France. Currently taking B1 level courses.

2013 **Principles of Reactive Programming**, *École Polytechnique Fédérale de Lausanne*, Lausanne, Switzerland.
Completed with distinction. Online course through the Coursera educational platform.

2013 **Introduction to Data Science**, *University of Washington*, Washington, United States of America.
Completed with distinction. Online course through the Coursera educational platform.

2012 **Functional Programming Principles in Scala**, *École Polytechnique Fédérale de Lausanne*, Lausanne, Switzerland.
Completed with distinction. Online course through the Coursera educational platform.

2011 **Participant at the II Regional School of Informatics of Mato Grosso do Sul**, *Federal University of Matto Grosso do Sul*, Ponta Porā– MS, Brasil.
Introductory course to the Blender tool for game development.

2010 **Participant at the Informatics Engineering Conference of Itapúa**, *National University of Itapúa*, Encarnación, Paraguay.

2009 **Participant at the XXXV Latin American Informatics Conference (CLEI 2009)**, *Federal University of Pelotas*, Pelotas–RS, Brasil.

2006 **Certificate of Competency in English**, *Paraguayan American Cultural Center*, Asunción, Paraguay.
Issued by the University of Michigan, Ann Harbor, United States of America.

1997–2005 **English Studies**, *Paraguayan American Cultural Center*, Asunción, Paraguay.
From Children 1 to Advanced Superior 2.

Publications

2014 **Design and Implementation of a Music Composition Application using Speech Recognition**, *Rodrigo Parra, Jorge Ramírez and Martín Abente Lahaye*, Informatics and Society Simposium, XL Latin American Informatics Conference (CLEI 2014). Montevideo, Uruguay.

Professional Experience

January 2013– **Software Consultant**, INDEPENDENT, Asunción, Paraguay.
Freelancer developer for third-party development projects.

- Interactive map visualization of social housing projects by SENAVITAT. Work visible at http://www.senavitat.gov.py/mapaviviendas/.
- Interactive visualization to monitor the execution of Ñamopora Ñanderape, a project implemented by the Ministry of Public Works and Communications from Paraguay (MOPC) and partially funded by the World Bank. Work visible at http://www.mopc.gov.py/mopcweb/BM/IGAP/.

April 2014–July 2015 **Semi Senior Software Developer**, GOVERNANCE AND DEMOCRACY PROGRAM, Asunción, Paraguay.
Developed and deployed Open Data applications and visualizations as a part of the Governance and Democracy Program (USAID–CEAMSO).

- A CKAN based Open Data Catalog for the National Government, in collaboration with technicians from the National Information and Communication Technologies Secretariat (SENATICs). Work visible at http://datos.gov.py. Source code available at https://github.com/SENATICS
- Semantic web services, data processing tools and interactive data visualizations in collaboration with technicians from the National Public Contracting Directorate (DNCP). Work visible at https://www.contrataciones.gov.py/datos.
- Web services and interactive data visualizations for the Ministry of Education and Culture's Open Data Portal, in collaboration with technicians from the institution. Work visible at http://datos.mec.gov.py. Source code available at https://github.com/mecpy.

January 2012–March 2014	**Specialized Technician**, National Computing Center, San Lorenzo, Paraguay. Part of the development team responsible for the Academic System of the National University of Asunción. ○ Analysis and design of software modules for the Academic System. ○ Desktop oriented web application development for university students, professors and employees. ○ Mobile oriented web application development for university students and professors.
September 2011–December 2011	**Intern**, National Computing Center, San Lorenzo, Paraguay. Member of the development team responsible for the Academic System of the National University of Asunción. ○ Desktop oriented web application development for university students.
December 2006–January 2007	**Intern**, Itaipú Binacional, Asunción, Paraguay. Member of the technical support team of the institution. ○ IT systems support. ○ Hardware maintenance. ○ Equipment inventory.

Open Source

2014–2015	**Open Data tools and applications**, *Governance and Democracy Program*, USAID–CEAMSO, source code available at: `https://github.com/ceamso`.
2014	**Sugar Listens – Speech Recognition within the Sugar Learning Platform**, *Google Summer of Code 2014*, Sugarlabs.
2013–Present	**Member of Juky Paraguay, a local developer group that collaborates with the Sugar desktop**, *Polytechnic Faculty, National University of Asunción*, San Lorenzo, Paraguay.

All my personal projects and contributions (to Sugar, CKAN and other projects) can be found at: `https://github.com/rparrapy`

Technical Skills

○ **Programming Languages:** C, Java, Scala, Python, Javascript, Ruby.
○ **Desktop Applications:** GTK using C and Python, Java Swing, Electron.
○ **Web Application Backend:** Java, Python and Ruby web frameworks.
  Java: EJB3, Hibernate and RESTEasy. JBoss AS and Tomcat application servers.
  Python: Turbogears and Flask web frameworks, SQLAlchemy. Production deployment with Apache + modwsgi.
  Ruby: Ruby on Rails web framework. Production deployment with Passenger.
○ **Web Application Frontend:**
  Java: GWT, Sencha GXT and Vaadin.
  HTML5/CSS3: jQuery, Twitter Bootstrap, AngularJS, Ember JS. Data visualizations with D3.js, Leaflet.js, Mapbox.js and Google Maps API.

- **Databases:** PostgreSQL, Sqlite and MySQL.
  Stored procedures programming and optimization in PL/pgSQL.
- **Operating Systems:** Windows, Mac OS X and GNU/Linux.
  GNU/Linux as a development environment: Mandriva, Ubuntu, Linux Mint, Fedora, Manjaro.
  GNU/Linux server administration: CentOS.
- **Security:** OpenLDAP, CAS Single Sign On. SSL configuration for OpenLDAP, PostgreSQL and JBOSS AS servers.
- **Other tools:** Git, Mercurial, Apache Maven, Jenkins CI.

Languages

Spanish	**Native Language**
English	**Advanced**
French	**Basic**

Personal References

Juan Pane Ph.D.	pane@disi.unitn.it
Martín Abente Lahaye, MSc.	tch@sugarlabs.org