

# Federico López

Date of birth: 5th August 1990

E-mail: fedelopez77@gmail.com

Citizenships: Argentinian, Italian

## Academic qualifications

April 2009 – May 2015: **Ingeniería en Informática** (equivalent to Software Engineering + MSc.)

Facultad de Ingeniería (Faculty of Engineering), Universidad de Buenos Aires.

Graduate thesis: *A TextRank-Based Automatic Summarization Module for the Gensim Framework*.

GPA: 7.65 (10.00 scale).

2004 – 2008: **High School Degree**.

Colegio San Ignacio Marianista, Junín

## Work experience

September 2017 – Present: **Data Engineer, Rise Interactive**

Working as a Data Engineer, gathering information from different sources and applying Machine Learning techniques. Technologies applied are PostgreSQL, Python and Apache Spark.

September 2014 – February 2016: **Analyst developer, Despegar.com**

Working as a full stack developer, creating Single Page Applications, and mobile API's for Windows Phone, iOS and Android teams. Technologies applied are MongoDB, Java and AngularJS. Also involved in requirements gathering, working with Mobile and Product teams.

December 2013 – August 2014: **Analyst developer, C&S Informática S.A.**

Full stack developer working on different projects for several clients. Also involved in requirements gathering with clients, demonstrating software prototypes, technical sales presentations and customer training. Technologies applied were Microsoft SQL Server, .NET Framework and HTML5 with JQuery.

August 2013 – December 2013: **Developer, Creative Coefficient**.

Web and mobile Flash applications developer with ActionScript.

## Teaching experience

July 2015: **Instructor, Despegar.com**

Delivered the course “MongoDB, intermediate level” for developers.

August 2011 – December 2014: **Teaching assistant, Facultad de Ingeniería - UBA**

Introducing first year students into the design of algorithms, data structures and programming techniques in both Python and C

Content: algorithms design, algorithm efficiency analysis, abstract data types, sorting methods, graph theory, dynamic programming.

June 2014 – July 2014: **Instructor, C&S Informática S.A.**

Delivered the course “Python, intermediate level” for developers.

## Publications

- Barrios, F., López, F., Argerich, L., Wachenchauser, R.: **“Variations of the Similarity Function of TextRank for Automated Summarization”**, Anales de las 44JAIIO. Jornadas Argentinas de Informática, Argentine Symposium on Artificial Intelligence, 2015.

## Other projects

Contributed an open-sourced text summarization module to the Gensim natural language framework, included in the 0.12.0 release (Python).

## Technical expertise

**Programming languages:**

Proficient with: Python, Java

Comfortable with: C, C#, JavaScript

Worked in university projects with: Smalltalk, Perl, Unix Shell, C++, Groovy

**Databases:** Microsoft SQL Server, MySQL, MongoDB.

**Web development:** HTML5, Grails Framework, FreeMarker, .NET Framework, CSS, JavaScript, AngularJS, JQuery, Twitter Bootstrap.

**Version control:** Git, Subversion.

**Methodologies:** Scrum.

## Languages

**Spanish:** Native

**English:** C1 - Effective Operational Proficiency, CEF  
IELTS score: 7.5. January, 2017