

Luca Costabello

Interests

Data Engineering
Applied Machine Learning

Database Systems
Data Mining

Web Science
Web Mining

Experience

- 2014–present **Postdoctoral Researcher**, *Fujitsu Ireland Ltd*, Galway, Ireland.
Queried and Mined structured data on the Web for analytics extraction
- Tailored classification and clustering algorithms to structured Web data
 - Designed and developed query mediation strategies for polyglot and distributed data tiers.
 - Lead author of two submissions to EU patent office
- 2010-2013 **PhD Student**, *Inria*, Sophia Antipolis, France.
Designed access strategies for the ubiquitous Web of Data
- Designed a context-aware access control framework for triple stores.
 - Designed error-tolerant matching algorithm for RDF which is $O(n)$ with n compared graphs.
 - Introduced a stylesheet engine for RDF that adapts rendering to current mobile context.
 - Published and presented papers at academic conferences (ISWC, ECAI, WWW, HT, and ESWC)
- 2010 **Software Engineer**, *GFI Informatique*, Sophia Antipolis, France.
Wrote code to improve Amadeus S.A. online hotel reservation back end.
- Maintained large Java code base.
 - Collaborated with product managers, UX specialists, and QA.
- 2007–2010 **Research Engineer**, *Telecom Italia*, Turin, Italy.
Worked on data mining tasks to improve research team location-based services.
- Applied cluster analysis and Hidden Markov Models on mobile users location data to summarize mobility patterns and predict habits.
 - Designed and developed portion of Java back-end for location-based mobile services.
 - Introduced off-the-shelf topic modeling algorithms to extract tags from user-generated content on a mobile photo-sharing portal.

Education

- 2010–2013 **PhD**, *University of Nice Sophia-Antipolis*, France.
Computer Science (3-year PhD program)
- 2009–2010 **Specializing Master**, *Polytechnic University of Turin*, Italy.
Networks and ICT Services (1-year master)
- 2005–2007 **MSc**, *Polytechnic University of Turin*, Italy.
Computer Engineering (2-year master)
- 2002–2005 **BSc**, *Polytechnic University of Turin*, Italy.
Computer Engineering (3-year bachelor degree)

Galway – Ireland

✉ luca@costabello.info • 🌐 luca.costabello.info

