

Karim ALAMI

Phd Candidate, LaBRI CNRS, Université de Bordeaux

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33400 Talence
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28 years old

University Course

- 2017 – ongoing **Phd Candidate in Data Science**, LaBRI CNRS, Université de Bordeaux, FRANCE.
- 2016 – 2017 **Research Master in Data and Information Systems**.
Université Clermont Auvergne, FRANCE
- 2010 – 2013 **Engineering degree in Computer science**.
ENSIAS, Université Mohamed 5, MOROCCO
- 2007 – 2008 **Baccalaureate, Maths and physics**.
Casablanca, MOROCCO

Research Experience

- 2017 – ongoing **Phd thesis in Data Science at LaBRI CNRS, Université de Bordeaux**.
Topic: “*Computational aspects around preference queries*”, advised by Sofian Maabout.
- Efficient indexing for preference queries.
 - Temporality effect on preference query answering.
 - Complexity with dynamic preferences.
 - Learning preferences from user experience.
- Published paper:
- Multidimensional Skylines over Streaming Data (**DASFAA 2019**)
- Under review:
- The Negative Skycube (**IS journal**)
 - A Framework for Skyline Queries Over Streaming Data (**DKE journal**)
- March 2017 – **Research Internship for Master degree at LIMOS CNRS**.
- July 2017 Topic: “*Generation and Querying of Evolving Graphs*”, advised by R. Ciucanu & E. Mephu Nguifo.
- State-of-the-art on storing and querying evolving graphs.
 - Formalization of the evolving graph generation problem based on user-defined configurations.
 - Implementation of the generator and empirical study of existing graph processing algorithms.
- Published papers:
- EGG: A Framework for Generating Evolving RDF Graphs (**ISWC 2017**)
 - Synthetic Graph Generation from Finely-Tuned Temporal Constraints (**ECML PKDD 2017**)

Scientific Skills

Data management, Data mining, Complexity theory, Machine learning, Semantic Web, Algorithms, Graphs.

Industrial Experience

- Jan 2014 – **Integration and maintenance Engineer**, Capgemini & AXA Technology Services.
- Aug 2016 Automation and scheduling of processes. Stack: Perl, TWS & Autosys scheduler, SQL Server

Teaching Experience

- 2018 – 2019 **University of Bordeaux**, *Linux initiation, Oracle DBMS administration, Advanced relational database theory*.

Technical Skills

- OS **Linux (LPI 1 certification), Windows, Unix, Android.**
- Programming **C++, Python, Perl, C, Java, JavaScript.**
- DB Systems **Relational (SQL Server, Oracle, MySQL) & NoSQL (Neo4j, MongoDB, JSON, RDF, XML).**

Social activity

Secretary of AFODIB, *Association of doctoral students in computer science of Bordeaux.*
Workshops, *Supervising Maths à Modeler workshops.*

Language Skills

English **TOEIC Score: 915/990, Level: C2.**

French/Arabic **Native.**