

# Rémy DELANAUX

*Ph.D. in Computer Science - ENSIMAG Engineer*

40 Rue Colin  
69100 Villeurbanne  
FRANCE

☎ (+33) 7 83 17 76 50  
✉ remy.delanaux@outlook.fr  
★ 13/05/1994, Metz (FRANCE)

## Current position

**September 2019** - Research Assistant at the LIRIS lab / Teaching Assisat at the Marketing Department of the IUT Lyon 1 (technical undergraduate institute)

- Teaching** Basics of computing and office software
- 1st year: office software (word processing, spreadsheets), collaborative work
  - 2nd year: advanced spreadsheets, Web development and Internet basics

**Research** Completion and consolidation of the PhD and its associated projects

## Research activities

### Main positions

**09/2019** - **Teaching and Research Assistant**, IUT Lyon 1, Marketing Dept., Villeurbanne (France).

**07/2020** Research activities performed at the LIRIS lab (University Claude Bernard Lyon 1).

**10/2016** - **Ph.D. thesis in Computer Science**, LIRIS laboratory, University Claude Bernard Lyon 1 (69),

**12/2019** Defended on December 13, 2019.

Title **Privacy-Preserving Linked Data Integration**

Supervisors	Angela BONIFATI	Professor at University Lyon 1	<i>Thesis supervisor</i>
	Marie-Christine ROUSSET	Professor at University Grenoble Alpes	<i>Thesis co-supervisor</i>
	Romuald THION	Associate Professor at University Lyon 1	<i>Thesis co-supervisor</i>
Jury	Benjamin NGUYEN	Professor at INSA Centre-Val de Loire	<i>Main reviewer</i>
	Hala SKAF-MOLLI	Associate Professor at University of Nantes	<i>Main reviewer</i>
	Nicolas ANCIAUX	Research director at INRIA Saclay - Île-de-France	
	Hamamache KHEDDOUCI	Professor at University Lyon 1	
	Nathalie PERNELLE	Associate Professor at University Paris-Sud	

**02/2016** - **End of Engineering Studies project**, National Institute of Informatics, Tôkyô (JAPAN), EN-  
**08/2016** SIMAG Internship.

Title Analysis and aggregation of biological data for the Linked Open Data cloud

Advisor Hideaki TAKEDA Professor at the National Institute of Informatics (Tôkyô)

**01/2015** - **Introduction to Academic Research course**, INRIA Grenoble, Supplementary ENSIMAG  
**05/2015** course.

Title Stability of communicating systems

Advisor Gwen SALAÜN Professor at INRIA Grenoble

### Other activities

2018 Subreviewer for the PVLDB journal (main reviewer: Angela Bonifati)

2017 Subreviewer for the ACM SIGMOD conference (main reviewer: Angela Bonifati)

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## Publications

### Articles

**Rémy Delanaux**, Angela Bonifati, Marie-Christine Rousset, and Romuald Thion. RDF graph anonymization robust to data linkage. In *WISE 2019 - 20th International Conference on Web Information Systems Engineering*, 2019.

**Rémy Delanaux**, Angela Bonifati, Marie-Christine Rousset, and Romuald Thion. Query-based linked data anonymization. In *ISWC 2018 - 17th International Semantic Web Conference*, 2018.

### Workshops

**Rémy Delanaux**. Assessing the efficiency and usability of an RDF graph anonymization framework. In *APVP 2019 - 10ème Atelier sur la Protection de la Vie Privée*, 2019.

Angela Bonifati, **Rémy Delanaux**, Marie-Christine Rousset, and Romuald Thion. A Declarative Approach to Linked Data Anonymization. In *3ème Journée EGC/IA Données personnelles, vie privée et éthique*, 2018.

**Rémy Delanaux**, Angela Bonifati, Marie-Christine Rousset, and Romuald Thion. Query-based Linked Data Anonymization. In *APVP 2018 - 9ème Atelier sur la Protection de la Vie Privée*, 2018.

**Rémy Delanaux**, Angela Bonifati, Marie-Christine Rousset, and Romuald Thion. RDF graph anonymization robust to data interlinkage. In *Rencontres MaDICS "Vie Privée et Sécurité dans les Données du Futur"*, 2018.

**Rémy Delanaux**. Towards a declarative framework for anonymizing Linked Data graphs. In *6th PUF Franco-American Workshop on Cybersecurity*, 2017.

### Tech Reports

**Rémy Delanaux** and Hideaki Takeda. Aggregation, unification and integration of biological datasets as Linked Open Data. Technical report, National Institute of Informatics, Tokyo (Japan), 2016. End of Studies project report.

**Rémy Delanaux** and Gwen Salaün. Stability of communicating systems. Technical report, INRIA Grenoble (France), 2015. Introduction to Lab Research project report. [French].

### Research fundings and grants

09/2016 - Ph.D. funding from the Auvergne-Rhône-Alpes region - ARC6 : "*I.C.T. and innovative usages*"  
08/2019

02/2015 - International funding *MOU International Exchange Agreement* from the National Institute of  
08/2015 Informatics (Tôkyô, JAPAN)

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## Other professional experiences

06/2015 - **Program analyst intern**, *WISEO Technologies, Grenoble (FRANCE)*, Plugin development for a  
08/2015 sales forecasting solution.

- Development and integration of third-party Java, Python and R add-ons in a C# software solution
- Use of Apache Camel to design an integration and execution pipeline between various software tools

04/2013 - **Program analyst intern**, *IUT of Metz (France)*, Cellular automata simulation in Java.

- Theoretical study of cellular automata using Cayley graphs
- Development of a Java simulation software using the MVC design pattern

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## Curriculum

2013–2016 **Grenoble INP Engineer diploma**, *ENSIMAG, Grenoble (FRANCE)*, Master's Degree equivalent, *Information Systems Engineering* major.

2011–2013 **DUT Informatique (2-year technical undergraduate degree)**, *IUT of Metz (France)*.  
Valedictorian

2011 **French scientific Baccalauréat, Science major, Math option**, *Lycée de la Communication, Metz (France)*.