

# Nantia Makrynioti

Postdoctoral Researcher @ CWI, The Netherlands

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## WORK EXPERIENCE

### Postdoctoral Researcher

Jan 2020 - Present, Amsterdam (NL)

CWI

Database Architectures Group

### Software Engineer

Sep 2016 - Aug 2018, Atlanta (USA)

LogicBlox

*Analytics Team*

### Internship

May 2016 - Aug 2016, Atlanta (USA)

LogicBlox

*Analytics Team*

### Research Assistant

2014 - 2015, Athens (GR)

ICT4Growth Project

### Research Assistant

2013 - 2015, Athens (GR)

EICOS Project

Information Management Systems Institute (IMSI)

### Software Developer

2012 - 2013, Athens (GR)

IT Dept. of Vardinoyannis Group of Companies

## EDUCATION

### PhD in Computer Science

2013 - 2019, Athens (GR)

Department of Informatics, Athens University of Economics and Business

- Thesis: Declarative Specification of Data Analytics Tasks (Advisor: Vasilis Vassalos)

### MSc in Information Systems

2011 - 2013, Athens (GR)

Department of Informatics, Athens University of Economics and Business

- Thesis: Sentiment Analysis on the Twitter Feed (Advisor: Vasilis Vassalos)
- Scholarship from Athens University of Economics and Business for graduating among the four best students in my MSc class

### BSc in Computer Science

2006 - 2010, Ioannina (GR)

Department of Computer Science, University of Ioannina (nowadays Department of Computer Science and Engineering)

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## PUBLICATIONS

- DEEM@SIGMOD 2021**      **Machine Learning in SQL by Translation to TensorFlow**  
[Nantia Makrynioti](#), Ruy Ley-Wild and Vasilis Vassalos
- CIDR 2021**      **Progressive Join Algorithms Considering User Preference**  
Mengsu Ding, Shimin Chen, [Nantia Makrynioti](#) and Stefan Manegold
- IEEE TKDE 2019**      **Declarative Data Analytics: a Survey**  
[Nantia Makrynioti](#) and Vasilis Vassalos
- DEEM@SIGMOD 2018**      **Modelling Machine Learning Algorithms on Relational Data with Datalog**  
[Nantia Makrynioti](#), Nikolaos Vasiloglou, Emir Pasalic and Vasilis Vassalos
- IJBDI 2017**      **PaloPro: A platform for knowledge extraction from big social data and the news**  
[Nantia Makrynioti](#), Andreas Grivas, Christos Sardianos, Nikos Tsirakis, Iraklis Varlamis, Vasilis Vassalos, Vassilis Pouloupoulos and Panagiotis Tsantilas
- MEDAL@EDBT 2016**      **Towards an Analytics Query Engine**  
[Nantia Makrynioti](#) and Vasilis Vassalos
- DaWaK 2015**      **Sentiment Extraction from Tweets: Multilingual Challenges**  
[Nantia Makrynioti](#) and Vasilis Vassalos
- SemEval 2013**      **Two Stage Sentiment Analysis**  
Prodromos Malakasiotis, Rafael Michael Karampatsis, [Nantia Makrynioti](#) and John Pavlopoulos

## SERVICE

- Program Committee Member**      DEEM Workshop 2019-2020, DeLBP Workshop 2019
- External Reviewer**      ICDE 2014, SIGMOD 2014, DASFAA 2014, CIKM 2014, SIGMOD 2015, ICDE 2016, SIGMOD 2017

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## TEACHING

<b>Undergraduate courses</b>	Databases (2019), Web Application Development (2018), Introduction to Programming (2013 - 2016), Design and Analysis of Algorithms (2014)
<b>Graduate courses</b>	Theory and Fundamentals of Database Systems (2017)

## SKILLSET

<b>Programming Languages</b>	Java, Python, C++, Haskell, C
<b>Databases</b>	MySQL, PostgreSQL, LogicBlox
<b>Machine Learning</b>	Tensorflow, Weka, Liblinear
<b>Big Data Frameworks</b>	Spark
<b>Miscellaneous</b>	HTML, CSS, XML, JPA, Hibernate, UML

## LANGUAGES

<b>English</b>	Certificate of Proficiency University of Cambridge, Certificate of Proficiency University of Michigan
<b>French</b>	DEL F 1, Certificat de Connaissance en Langues Étrangères Niveau: Utilisateur Independant B2