

Nantia Makrynioti

Computer Scientist @ RelationalAI

Gustav Mahlerlaan 479, 1082MK,
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WORK EXPERIENCE

Computer Scientist

Feb 2022 - Present, Amsterdam (NL)

RelationalAI

Product group

Postdoctoral Researcher

Jan 2020 - Jan 2022, Amsterdam (NL)

CWI

Database Architectures Group

Software Engineer

Sep 2016 - Aug 2018, Atlanta (USA)

LogicBlox (later acquired by Infor)

Analytics Team

Software Engineering Intern

May 2016 - Aug 2016, Atlanta (USA)

LogicBlox

Analytics Team

Research Assistant

Sep 2015 - Mar 2016, Athens (GR)

Athens University of Economics and Business

Department of Informatics

Research Assistant

Jul 2013 - Sep 2015, Athens (GR)

Athena Research Center

EICOS Project

Software Developer

Jul 2012 - Jul 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, Greece

- 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, Greece

- 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, Greece

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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

Workshop Organization

DBML@ICDE'22, DBAI@NeurIPS'21

Program Committee Member

VLDB'22 Demo Track, SIGMOD'22 Student Research Competition, EDBT'22 Industrial Track, CLeaR'22 (AAAI Workshop), DEEM'19 & '20 (SIGMOD Workshop), DeLBP'19 (IJCAI Workshop)

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TEACHING

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

SKILLSET

Programming Languages	Java, Python, C++, SQL, LogiQL, Haskell
Databases/Data processing	DuckDB, MySQL, PostgreSQL, LogicBlox, Pandas
Machine Learning	Tensorflow, scikit-learn, Weka
Big Data Frameworks	Spark
Miscellaneous	HTML, CSS, XML, UML

LANGUAGES

English	Full Professional Proficiency
Greek	Native
Dutch, French	Elementary Proficiency