Dimitris Koutsoukos
Curriculum Vitae

Contact Information

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Education

October 2019 – Present	PhD Candidate, Department of Computer Science, ETH Zurich
	Supervisors: Prof. Gustavo Alonso, Prof. Ana Klimovic
September 2017 – September 2019	Master in Data Science, Department of Computer Science, ETH Zurich
	Thesis: Producing building blocks for data analytics
	Supervisor: Prof. Gustavo Alonso
October 2010 – February 2016	Diploma of Electrical & Computer Engineering (MEng equivalent),
	National Technical University of Athens
	Thesis: Intelligent Techniques for Web Usage Mining
	Supervisor: Prof. Andreas Stafilopatis

Experience

Software Engineer Intern – Apple, Zurich, Switzerland (May 2023 – August 2023)

Data Engineer Intern – Meta, London, UK (June 2022 – September 2022)

Research Assistant – RAI Group, Department of Knowledge and Data Engineering (DKE), Maastricht University, Maastricht, Netherlands (September 2016 – September 2017)

Data Analyst/Software Engineer – orfium.com, Remote (June 2016 – June 2017)

Trainee (Software Developer) – Nokia Networks and Solutions, Athens Technology Center, Athens, Greece (December 2015 – May 2016)

Computer Skills

Programming Languages:	Python, C, C++, SQL, Go
Databases:	PostgreSQL, MySQL, SQLServer
Deep Learning frameworks:	PyTorch
Big Data Tools:	Apache Spark
Virtualization Technologies:	Docker
Version Control:	Git

Publications

NVM: Is it Not Very Meaningful for Databases?, **D. Koutsoukos**, R. Bhartia, M. Friedman, A. Klimovic, G. Alonso, PVLDB 2023

Farview: Disaggregated Memory with Operator Off-loading for Database Engines, D. Korolija, **D. Koutsoukos**, Kimberly Keeton, Konstantin Taranov, Dejan Milojičić, Gustavo Alonso, CIDR 2022

Modularis: Modular Relational Analytics over Heterogeneous Distributed Platforms, **D. Koutsoukos**, I. Müller, R. Marroquín, A. Klimovic, G. Alonso, PVLDB 2021

Tensors: An abstraction for general data processing, **D. Koutsoukos**, S. Nakandala, K. Karanasos, K. Saur, G. Alonso, M. Interlandi, PVLDB 2021

The collection Virtual Machine: an abstraction for multi-frontend multi-backend data analysis, I. Müller, R. Marroquin, **D. Koutsoukos**, M. Wawrzoniak, S. Akhadov, G. Alonso, DaMoN 2020

Personalized, affect and performance-driven Computer-based Learning, C. Athanasiadis, E. Hortal, **D. Koutsoukos**, C. Z. Lens, S. Asteriadis, CSEDU 2017

A new approach to session identification by applying fuzzy c-means clustering on web logs, **D. Koutsoukos**, G. Alexandridis, G. Siolas, A. Stafylopatis, IEEE SSCI 2016