Ioannis A. Mytilinis

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https://giagulei.github.io/

EDUCATION

PhD in Computer Science, National Technical University of Athens (NTUA) (2013-2019)
Thesis: *Wavelet-based Algorithms for Approximate Processing in the Big Data Era*
Advisor: Prof. Nectarios Koziris
Research Interests: Large Scale Analytics, Stream Processing, Heterogeneous Computing, Approximate Query Processing

Diploma in Electrical and Computer Engineering, NTUA (2012) – Grade: 8.04/10
Thesis: *A Distributed Storage System for Social Network Information*
Advisor: Prof. Nectarios Koziris

1st ACM Europe Summer School on **Data Science and Big Data** (2017)

Linux Foundation Certified **System Administrator** (2018)

EXPERIENCE

Postdoctoral Researcher at Ecole Polytechnique Federale de Lausanne (EPFL) - Data Intensive Applications and Systems Laboratory (2020-present).
Supervised by Prof. Anastasia Ailamaki

Researcher at Computing Systems Laboratory, NTUA (2012-2019)

Software Engineer at Guppy (Nov 2018 - Sept 2019)

Research Intern, IBM, T.J. Watson Research Center, NY (Summer 2017)

Research Intern, IBM, T.J. Watson Research Center, NY (Summer 2016)

Funded research projects:
SmartDataLake, MoDisSENSE, CELAR, CLARIN-EL, ASAP, E2DATA, Data Sovereignty through the use of Blockchain, Near Data Processing, Batch Query Optimization

Teaching assistant in various courses (Introduction to Programming, Operating Systems, Advanced Database Systems, Distributed Systems)

Reviewer at several international conferences

SELECTED PUBLICATIONS

P. Sioulas, V. Sanca, I. Mytilinis, A. Ailamaki: **Accelerating Complex Analytics using Speculation. CIDR 2021**

A. Konsta, I. Mytilinis, K. Doka, S. Niarchos, N. Koziris: **Clouseau: Blockchain-based Data Integrity for HDFS Clusters. ICDE 2021**, Demo track

I. Mytilinis, D. Tsoumakos and N. Koziris: **Maintaining Wavelet Synopses for Sliding-Window Aggregates. SSDBM 2019**

I. Mytilinis, D. Tsoumakos and N. Koziris: **Scaling the construction of wavelet synopses for maximum error metrics. TKDE 2018**

I. Mytilinis, D. Tsoumakos and N. Koziris: **Distributed Wavelet Thresholding for Maximum Error Metrics. SIGMOD 2016**

I. Mytilinis, I. Giannakopoulos, I. Konstantinou, K. Doka, D. Tsitsigkos, M. Terrovitis, L. Giampouras and N. Koziris: **MoDisSENSE: A Distributed Spatio-Temporal and Textual Processing Platform for Social Networking Services.**

SIGMOD 2015, Demo track

I. Konstantinou, D. Tsoumakos, I. Mytilinis and N. Koziris: **DBalancer: Distributed Load Balancing for NoSQL Data-stores. SIGMOD 2013**, Demo track

AWARDS

Best Paper Runner-Up Award at SSDBM 2019

2016 NTUA Thomaidion Award for outstanding publications in scientific journal or conference proceedings.

TECHNICAL SKILLS

Languages & Software: JAVA, C, C++, Python, Scala, SQL, UNIX-Linux bash scripting, Docker, Kubernetes, REST, Git, Maven

Databases: PostgreSQL, MySQL, HBase, Cassandra, MonetDB

Distributed Programming Frameworks: Hadoop, Spark, Flink, Storm

COMMUNITY SERVICE

Ministry of National Defense-Hellenic Navy – **Military service** (2008-2009)

FOREIGN LANGUAGES

English: Certificate of Proficiency, IELTS: 7.5
French: Sorbonne II (Assez Bien)