

THOMAS KARAMELAS

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PROFESSIONAL EXPERIENCE

Atyon

September 2017 – Present

Software Engineer - Information Discovery

Athens, Greece

- Co-tech-lead since 1st of June 2022
- Providing search, ranking and recommendation functionality (powering the company's main platform for some of the largest academic publishers' websites)
- Tuning and monitoring the search indexing pipeline
- Relevance tuning
- Query parsing (with a fully custom parser)
- Actively contributing in our test suite that greatly reduced bug count
- Hiring process participation

Tech stack: Java, Solr/Lucene, Kafka, MS SQL, Docker, Redis, Git, Maven, Python

Hellenic Army **KEPYES**

December 2016 – August 2017

Database Administrator

Athens, Greece

- Data modeling and schema design, data curating, performance tuning, PL/SQL development

Tech stack: Oracle RDBMS 11gR2, Oracle Enterprise Manager, MySQL/Mariadb

Madgik Group

May 2015 – October 2016

Research Associate / Software Engineer

Athens, Greece

- Node-centric graph systems research
- Implementation of an in-memory graph processing system containing our research ideas

Tech stack: Java, C++, Python, Ligra, Apache Giraph, OpenMP, Git

CERN

September 2012 – August 2013

Technical Student

Geneva, Switzerland

- Back-End software development in the author disambiguation team of **INSPIRE**.

Tech stack: Python, MySQL, Bash, Git

EDUCATION

Master of Science, Computer Systems Technology, *GPA* - 9.72 (second in class)

2013 – 2016

University of Athens, Dept. of Informatics & Telecommunications

Thesis: "Lakon: Accelerating node-centric model for graph processing"

Bachelor of Science, Computer Science, *GPA* - 7.92

2007 – 2013

University of Athens, Dept. of Informatics & Telecommunications

LANGUAGES

Greek (native), *English* (fluent), *Spanish* (intermediate), *French*(low-intermediate), *Italian*(beginner)

INTERESTS

[Reading](#), Music, Movies/TV Shows, Trekking, Travelling ([My travel map](#))