

# THOMAS KARAMPELAS

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## PROFESSIONAL EXPERIENCE

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### Atyon

September 2017 – Present

*Software Engineer - Information Discovery*

*Athens, Greece*

- 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 (involving many separate services)
- Relevance tuning (including learning to rank, query expansion techniques)
- Query parsing (with a fully custom parser)
- Actively contributing in our test suite that greatly reduced bug count
- Hiring process participation (conducting first step interviews)

*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 (for short scripts), 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](#).
- Substantial refactoring/documenting of existing code

*Tech stack:* Python, MySQL, Bash, Git

## EDUCATION

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**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

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

## INTERESTS

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