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Iosif Angelidis



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Scan contact card



Iosif Angelidis was born in Cholargos, Attica, on 16/06/1993. He is a graduate of the Department of Informatics & Telecommunications of the National and Kapodistrian University of Athens, his undergraduate dissertation being in the area of "Theoretical Informatics", while he has completed his post-graduate studies in "Information and Data Management". He is a member of Management of Data and Information Knowledge Group ([MADgIK](#)) and Knowledge Representation, Reasoning and Analytics ([KRR&A](#)) group.

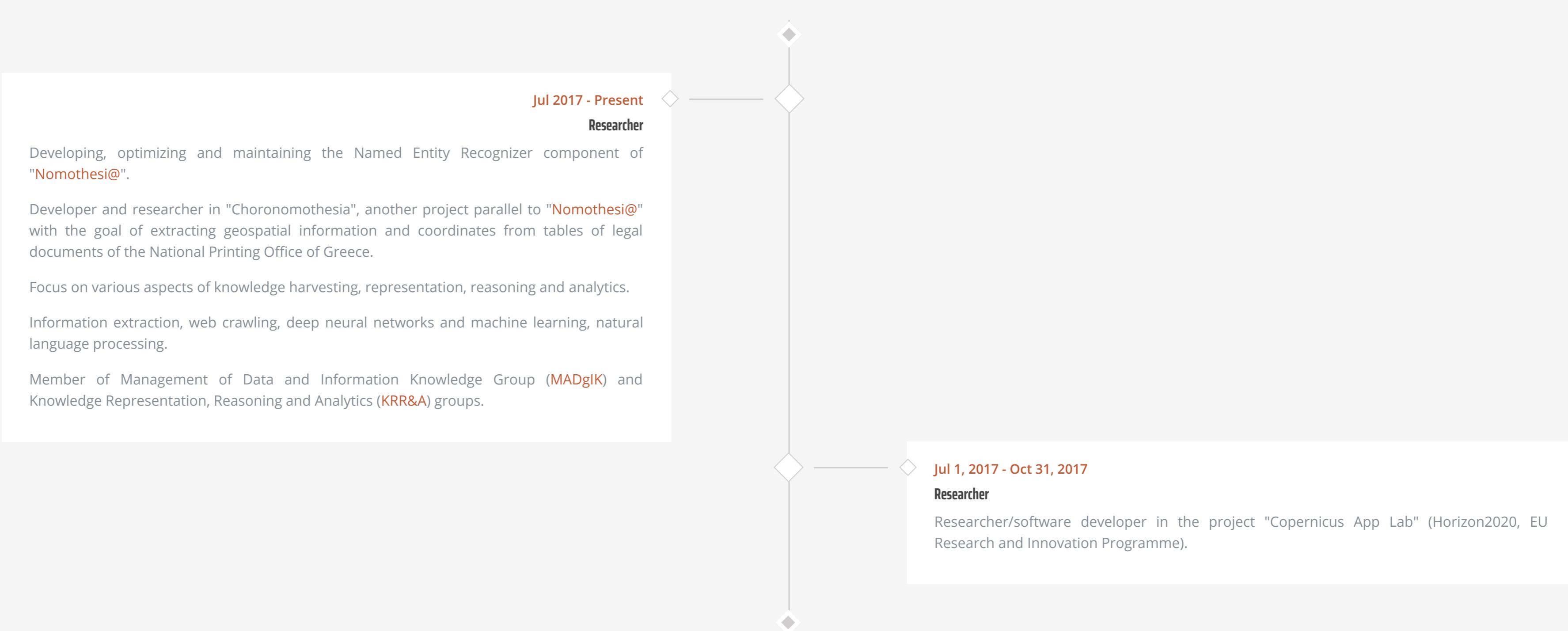
In the context of his MSc thesis, "Named Entity Recognition and Linking in Greek Legislation", under the supervision of professor Manolis Koubarakis and PhD Candidate Ilias Chalkidis, he developed and maintained a Named Entity Recognizer which recognizes and extracts persons, organizations, geo-political entities, legal references, public documents and unofficial geographical landmarks found in the Government Gazette by utilizing Neural Networks and Deep Learning technologies. These entities are being encoded as RDF data based on a Semantic Web ontology and then interlinked with other open public datasets (Greek Administrative Geography, Greek DBpedia Politicians, EUR-Lex) with Silk.

Currently, he is a researcher, further developing, optimizing and maintaining the Named Entity Recognizer component he developed for the project [Nomothesi@ API](#). Also, he is working as a researcher in Choronomothesia, a parallel project with the goal of extracting geospatial information and coordinates from tables of legal documents of the National Printing Office of Greece.

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Experience



```
graph TD; A["Jul 2017 - Present<br>Researcher<br/>Nomothesi@"] --- B["Jul 1, 2017 - Oct 31, 2017<br>Researcher<br/>Copernicus App Lab"]; style A fill:#f0f0f0,stroke:#ccc,stroke-width:1px; style B fill:#f0f0f0,stroke:#ccc,stroke-width:1px;
```

Developing, optimizing and maintaining the Named Entity Recognizer component of "[Nomothesi@](#)".

Developer and researcher in "Choronomothesia", another project parallel to "[Nomothesi@](#)" with the goal of extracting geospatial information and coordinates from tables of legal documents of the National Printing Office of Greece.

Focus on various aspects of knowledge harvesting, representation, reasoning and analytics.

Information extraction, web crawling, deep neural networks and machine learning, natural language processing.

Member of Management of Data and Information Knowledge Group ([MADgIK](#)) and Knowledge Representation, Reasoning and Analytics ([KRR&A](#)) groups.

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Education

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

Master's Degree

Computer Science - Information and Data Management
Grade: 9.39/10.0

2016-2018

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

Ptychion (4-year degree with thesis)

Computer Science - Theoretical Informatics
Grade: 9.34/10.0

2011 - 2016

ECDL (Syllabus Version 4.0)

Certificate in Databases, Concepts of IT, Word Processing, Presentations, Information and Communication, Spreadsheets, Using the Computer and Managing Files.

2007

Skills

Soft skills

- ✓ Communication
- ✓ Team player
- ✓ Patient

Programming Languages

 C  C++  Java  Python  LUA  Haskell  OpenGL

Operating Systems

 Arch  Debian  Fedora  Linux Mint  Manjaro  Mandriva  Slackware  *ubuntu  Microsoft Windows (95, 98, 2000, XP, Vista, 7, 8, 10)

Shell Scripting

>_ bash >_ fish >_ tcsh >_ csh >_ zsh

Applications Development

 Android  HTML 5  CSS 3  PHP  Javascript  jQuery  Ajax  Bootstrap  npm  bower  Gradle

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Interests

Server management & databases

 Apache Tomcat  Apache HTTP Server/XAMPP  SQL  PostgreSQL  Redis

Integrated Desktop Environments

 IntelliJ  Pycharm  WebStorm  PHPStorm  Visual Studio Code

Geospatial Systems

 Sextant  Strabon

General

 LaTeX  Microsoft office  Presentations  Matlab





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Interests

Greek State Scholarships Foundation (IKY)

Scholarship for academic performance

2011-2012

Panellinios AC

Second place certificate in backstroke 33m

2002

Distinctions



Research Interests

Deep Learning for NLP

Legal Text Analytics

Legislation Publishing, Contract Analysis

Information Extraction

Named Entity Recognition and Linking

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Interests

Text Segmentation

Legal Text Segmentation, Zoning, Sentence Boundary Detection

Text Classification

Document/Sentence Classification

Self-supervised Document Classification

Data Augmentation

Legal Knowledge Representation

Legislation, Contracts

E-Government – Linked Open Data



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Publications

I. Angelidis, I. Chalkidis, Ch. Nikolaou, P. Soursos and M. Koubarakis. *Nomothesia: A Linked Data Platform for Greek Legislation.*

MIREL workshop, Luxembourg Logic for AI Summit (LuxLogAI 2018), Luxembourg, 17 September, 2018.[\[PUB\]](#)[\[E-PRINT\]](#)[\[BIB\]](#)

I. Angelidis, I. Chalkidis and M. Koubarakis. *Named Entity Recognition, Linking and Generation for Greek Legislation.*

The 31st international conference on Legal Knowledge and Information Systems (JURIX 2018). Groningen, The Netherlands, 12-14 December, 2018.[\[PUB\]](#)[\[E-PRINT\]](#)[\[BIB\]](#)

D. Punjani, K. Singh, A. Both, M. Koubarakis, I. Angelidis, K. Bereta, T. Beris, D. Bilidas, T. Ioannidis, N. Karalis, C. Lange, D. Pantazi, Ch. Papaloukas and G. Stamoulis. *Template-Based Question Answering over Linked Geospatial Data.*

Geographic Information Retrieval (GIR 2018) workshop. Collocated with ACM SIGSPATIAL. Seattle, USA, 6 November, 2018.[\[PUB\]](#)[\[E-PRINT\]](#)[\[BIB\]](#)

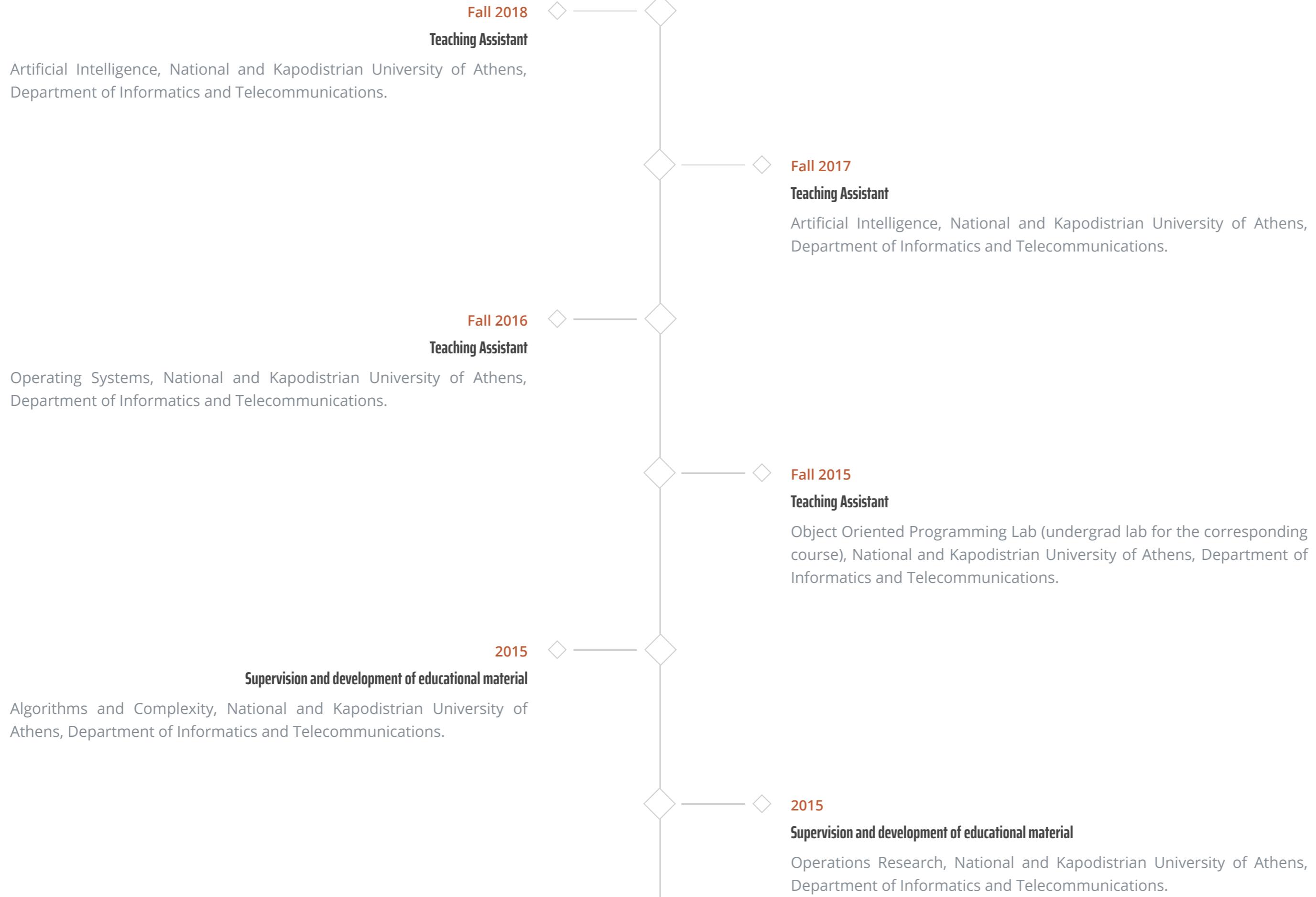
P. Liakos, I. Angelidis and Alex Delis. *Cooperative Routing and Scheduling of an Electric Vehicle Fleet Managing Dynamic Customer Requests.*

Proceedings of the International Conference on Cooperative Information Systems (CoopIS), Rhodes, 28 October, 2016.[\[PUB\]](#)[\[E-PRINT\]](#)[\[BIB\]](#)

Additional Academic Activities



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Interests

Apart from being a data scientist, I thoroughly enjoy travelling and visiting archaeological sites.

I strongly believe in the benefits of choosing swimming as a form of exercising over regular gymnastics. I used to go swimming for 6 years in boarding school and have taken a liking to it ever since. Of course, swimming does not have to be limited during summer, if one can endure the cold!

When forced indoors, I like talking about psychology, philosophy, mathematics, history and physics, or watching a good movie with friends (pretty much any genre, from horror to sci-fi to fantasy to comedy). Furthermore, I have been a gamer for a long time. I love playing almost all genres and fancy playing single player titles, or with friends. I definitely enjoy debating about games and their various aspects (gameplay, story, mechanics, gimmicks etc.). Moreover, I am an aspiring DJ with a twist: I seek mostly music featured in games!

I like spending a good amount of my free time exploring the open source community, learning about new technologies and tweaking computer systems.