

Ioſif ANGELIDIS

IT professional

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Ioſif Angelidis is a new IT professional with three (3) years of experience in software development stemming. His IT skills span from IT programming with actual experience in C, C++, Java and Python among other languages. This knowledge is gained both from self-motive to invest in new skill-sets and as part of his two years engagement in a Named Entity Recognizer thesis, 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.

During his military tour, Ioſif has been occupied in the IT Division offering his experience in supporting 3 projects : MIP 3, ΣXK and ΣΔΕΠ. This support came in the form of major refactoring, implementation of new features, optimization and critical performance gains, as well as general user support. His responsibilities further included the training of new staff and knowledge transferring.

Last, but not least, Ioſif has become a member of various communities among which the most notable ones pertain to the Management of Data and Information Knowledge Group (MADgIK) and the AI group of the University of Athens.

Military obligations fulfilled by July 10, 2020.

SKILLSETS

	Soft	presentation, communication, team player, self-driven
	Programming Languages	C, C++, Java, Python, PHP, Javascript
	Applications	REST, SOAP, Android Studio development, TLS/SSL protocols, bower, npm, HTML 5, CSS3, XML, RDF, OWL, Ajax, Gradle, Maven, EJBs, JSF, PrimeFaces, ORM (Hibernate)
	Frameworks	OpenGL, Bootstrap, Sweet Alert, Bootstrap Validator, jQuery, Leaflet JS, Particle JS, Spring, Keras, TF, SciKit Learn, Numpy, Pandas, React, Redux, NodeJS
	Shell scripting	bash, fish, zsh, tcsh, csh
	Server Management & Databases	Apache Tomcat, Wildfly/Jboss, Glassfish, Apache HTTP Server/XAMPP, PHPMyAdmin, MySQL Workbench, pgAdmin, SQL, PostgreSQL/PostGIS, Oracle 11g/12c, MongoDB, Redis, (Geo/st)SPARQL, SQL Server Management Studio, Toad
	Integrated Desktop Environments	IntelliJ, PyCharm, WebStorm, PHPStorm, Visual Studio Code, Netbeans
	Geospatial Systems	Sextant, Strabon, QGIS
	Version Control Systems	Mercurial, Git, CVS, GitHub, GitLab, Bitbucket
	Operating Systems	GNU/LINUX (including advanced distros like Arch and Manjaro), Microsoft Windows, MacOS
	Other	AOP, Design patterns, L ^A T _E X, Microsoft Office, Matlab, Gimp

WORKING EXPERIENCE

2020	Military Service IT Division Software Developer, HELLENIC ARMY IT SUPPORT CENTER, Athens, Greece
2019	<ul style="list-style-type: none">Support of 3 projects : implementation of the Multilateral Interoperability Protocol 3.0 (MIP 3), the Crisis Management System (ΣXK) and the Information Management-Control System (ΣΔΕΠ).Major code refactoring, optimizations, critical performance gains (e.g., database requests taking about 3 seconds compared to 15 minutes), implementation of new features.Classified data and geospatial information.Responsible for training new staff and providing user support for the platforms. <div>JavaEJBsJSFPrimeFacesOracle 11g/12cHibernateHTML 5CSS 3JavaScriptLeaflet JSRESTSOAPXMLSQL Server Management StudioToadWildFly/JBossIntelliJ</div>
2019	IT Programmer, UNIVERSITY OF ATHENS, Athens, Greece
2017	<ul style="list-style-type: none">Developed and maintained a Named Entity Recognizer in the context of MSc thesis "Named Entity Recognition and Linking in Greek Legislation".Supervised by professor Manolis Koubarakis and PhD Candidate Ilias Chalkidis.Extraction of persons, organizations, geo-political entities, legal references, public documents and unofficial geographical landmarks found in the Government Gazette.Utilization of Neural Networks and Deep Learning techniques. <div>PythonKerasTFSciKit LearnNumpyPandas(Geo/st)SPARQLRESTHTML 5CSS 3RDFOWL MavenPyCharm</div>

EDUCATION ROADMAP

- 2016 - 2018 MSc degree in Information and Data Management, National and Kapodistrian University of Athens, Department of Informatics and Telecommunications. **Grade : 9.39/10.0**
- 2011 - 2016 Ptychion (4-year degree with thesis) in Computer Science - Theoretical Informatics, National and Kapodistrian University of Athens, Department of Informatics and Telecommunications. **Grade : 9.34/10.0**
- 2007 Technical Diploma ECDL in Databases, Concepts of IT, Word Processing, Presentations, Information & Communication, Spreadsheets, Using the Computer and Managing Files

HOBBIES AND INTERESTS

- Exploring the open source community, learning about new technologies and tweaking computer systems.
- Long time gamer, almost all genres. Debating about games and their various aspects (gameplay, story, mechanics, gimmicks etc.).
- Aspiring DJ with a twist : steaming mostly music featured in games. [Online station](#)(Auto DJ streams tunes when offline).

PROJECTS

NOMOTHESE@

JUL 2017 – PRESENT

 legislation.di.uoa.gr

Nomothese@ is a platform which makes Greek legislation available on the Web as linked open data. It provides open access in a library of more than 12,000 pieces of legislation, interlinked with approximately 124,400 connections and over 8,000 unique entities, such as geospatial entities, persons, organizations and geographical landmarks (points of interest).

Python Keras TF SciKit Learn Numpy Pandas (Geo/st)SPARQL REST HTML 5 CSS 3 RDF OWL Maven PyCharm 

AIRBNB-LIKE ANDROID APPLICATION

2017 – 2018

 <https://tinyurl.com/y9no2ww7>

Fully-functional Android application like Airbnb supporting Google Maps API, different user roles, registration and room reservation, as well as hosting rooms.

Android Studio Java REST Glassfish TLS/SSL JWT Hibernate XML Gradle HTML 5 CSS 3 Bitbucket Netbeans 

COPERNICUS APP LAB

2017 – 2018

 cordis.europa.eu/project/id/730124

Geospatial data manipulation and production in the topics of LAI (Leaf Area Index) of Paris (from netCDF format), NO₂, O₃, UV emissions in Europe and oil-spills in Sweden for the Copernicus App Lab in addition to writing of scripts to automate tasks within the group and improve efficiency.

Python RDF OWL PostgreSQL PostGIS pgAdmin Strabon Sextant QGIS Pycharm Gitlab Apache Tomcat 

NAMED ENTITY RECOGNITION AND LINKING IN GREEK LEGISLATION (MSC DISSERTATION)

2017-2018

 <https://tinyurl.com/ybkqfdpz>

Entity recognition in Greek legislation texts by utilizing a named entity recognizer (NER). First work of its kind for the Greek language in such an extended form and one of the few that examines legal text. Grid search on multiple neural network architectures and combination of hyper-parameters to maximize efficiency, as well as interlinking RDF data with third-party datasets.


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DEVELOPMENT OF A LENDING LIBRARY WEBSITE WITH USER ROLES AND SHOPPING CART FUNCTIONALITIES

2015-2016

 <https://tinyurl.com/y8oq4kb3>

Fully-functional lending library website that supports multiple user roles, registration, shopping cart functionalities etc.

PHP PHPStorm XAMPP stack Javascript jQuery Ajax Bootstrap Sweet Alert HTML 5 CSS 3 npm BitBucket 

COOPERATIVE ROUTING AND SCHEDULING OF AN ELECTRIC VEHICLE FLEET MANAGING DYNAMIC CUSTOMER REQUESTS

2016

 [vrppd](#)  [pub](#)  [e-print](#)  [bib](#)

Routing and scheduling a fleet of electric vehicles seeking to satisfy dynamic pickup and delivery requests in an urban environment. Accompanied by a web application to facilitate cooperation between organizations and individuals involved in urban freight transport. Geolocation and mobile devices utilized to help manage the fleet and make timely decisions. Implementation of three heuristic recharging strategies ensuring electric vehicles can restore their energy levels efficiently.

Java IntelliJ Leaflet JS Javascript HTML 5 CSS 3 Bootstrap Redis PostgreSQL PostGIS REST XML Maven 

CAPACITATED VEHICLE ROUTING WITH TIME WINDOWS

2015

 [vehicle-routing](#)  <https://tinyurl.com/y7gozlkM>

Implementation to tackle the titular problem. Combination of literature algorithms and local search heuristics. A* implementation for pair-wise shortest paths. In-memory Jedis store to improve performance. Utilization of dynamic real-time traffic information. KML and HTML rendering of the generated solution.

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