PERSONAL INFORMATION

Thanassis Mavropoulos

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Sex Male | Nationality Greek

WORK EXPERIENCE

February 2016 - Present

Computational linguist in:

Centre for Research and Technology Hellas (CERTH), 6th km Charilaou-Thermi Rd, Thermi, Thessaloniki, 57001, Greece

http://certh.gr/root.en.aspx

- Participation to the development and evaluation of an ontological framework for the EE project WELCOME.
- Participation to the development and evaluation of an ontological framework for the EE project V4Design.
- Participation to the development and evaluation of an ASR model and creation of relevant datasets for the EE project beAWARE.
- Participation to the development and testing of a Named Entity detection framework focusing on location detection for the EE project EOPEN with the use of deep learning (LSTM-CNN-CRF model) and word embeddings (ELMo, BERT) methods.
- Participation to the development and testing of a Named Entity detection framework focusing on location detection for the EE project beAWARE with the use of deep learning (LSTM-CRF model) and word embeddings (ELMo, GloVE) methods.
- Participation to the development of a medical concept extraction module for the EE project KRISTINA with the use of information retrieval and deep learning (LSTM-CRF model) methods.
- Participation to the development of a medical relation extraction module for the EE project KRISTINA with the use of machine learning (SVM / Random Forest models) and Finite State Automata-based methods.
- Participation to the development of a medical named entity extraction module for the EE project KRISTINA with the use of deep learning (LSTM-CRF model) and statistical (CRF model) methods.
- Participation to proposal authoring for various European (Horizon2020) and national (ΕΣΠΑ) projects.
- Reviewer for important conferences and journals (SPRINGER handbook chapters, ECIR, COMPELECENG, WIMS etc).

January 2005 - December 2015

Computational linguist in:

Centre for the Greek Language, 1, Karamaouna st, Thessaloniki, 55132, Greece

www.greeklanguage.gr, www.greek-language.gr

- Managing, editing and adding entries in the "CLARIN EL - KEG" repository infrastructure.
- Implementation of the TEI (Text Encoding Initiative) standard in texts of Greek poets used in the creation of the respective concordances.
- Team coordination during annotation of texts compliant with the TEI standard.
- Digitisation of dictionary archives.
- Creating and managing a website about ancient dialects (http://ancdialects.greeklanguage.gr/).
- Digitisation of a book about word formation in Greek by Albert Debrunner.

2000 - Present

Computational linguist in:

Natural Language Processing Unit, part of the **Laboratory of Translation and Language Processing (Aristotle University of Thessaloniki):**

- Adding metadata entries to the "CLARIN EL - AUTH" repository infrastructure.
- Working with parallel translational corpora between French and Greek.
- Syntactic annotation of journalistic texts.
- Member of an international team working for the project "Technolangues" (Greek database of Sports used during the Olympic Games "Athens 2004").

2001 - 2004

- Teaching English via the use of computers in a local centre of foreign languages.
- Teaching English to children in a local centre of foreign languages.

EDUCATION AND TRAINING

2012 **PhD in Computational Linguistics**
Title of thesis: A system of automatic text analysis for Modern Greek: Methods of analysis of person proper names.

Aristotle University, Thessaloniki, Greece

- Machine Learning
- Morphology
- Syntax
- Named Entities
- Natural Language Processing
- Electronic dictionaries
- Local grammars
- Finite state automata
- Disambiguation

Grade: Excellent

2002 **MA in the "Applications of Technology in Sciences of Language and Communication",**
Interdisciplinary Postgraduate Studies Program in Sciences and Technologies of Language and Communication.
Aristotle University, Thessaloniki, Greece

Grade: 9,3 (Excellent)

2000 **BA in French Language and Literature**

Aristotle University, Thessaloniki, Greece

Grade: 7,1 (Very Good)

1999 **Socrates- Erasmus scholarship**
Universidad de Salamanca, Spain

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	Certificate of Proficiency in English (University of Cambridge).				
Spanish	C2	C2	C2	C2	C2
	Diploma Superior de Español.				
French	B2	B2	B2	B2	B2
	Certificat Pratique de Langue Française 1er Degré (Sorbonne 1).				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills - Excellent communication skills gained through my collaboration with a multitude of people of different field backgrounds during various work projects.

Organisational / managerial skills - Very good organisational skills acquired while managing national/EU work programmes.

Computer skills	▪ good command of *Weka* data mining software
	▪ good command of Stanford's *coreNLP* suite.
	▪ very good command of the *Unitex* corpus processing suite
	▪ very good command of ePub conversion and creation tools.
	▪ good command of photo editing software gained while restoring scanned dictionary archives.
	▪ experience in Python programming language
	▪ experience in Perl programming language gained while working with texts during the PhD thesis.
	▪ good command of regular expressions (used during the thesis in the automatic recognition of proper names in texts).
	▪ good command of *Drupal* CMS acquired when working with the ancient dialects site.
	▪ adequate command of *Linux* OS.
	▪ excellent command of *Windows* OS.
	▪ very good command of *Microsoft Office* tools.
	▪ good command of *Macintosh* OS.
	▪ very good command of translation software gained while working with parallel texts.
	▪ very good command of corpus alignment software gained while working with parallel texts.
	▪ excellent command of corpus processing tools acquired during work on my thesis.
	▪ good command of xml processing and validation gained during work in text concordancing.

ADDITIONAL INFORMATION

Conferences

Selected papers:

- P. Giannakeris, A. Tsanousa, A. Mavropoulos, G. Meditskos, S. Vrochidis, I. Kompatsiaris, "Fusion of Multimodal Sensor Data for Effective Human Action Recognition in the Service of a Medicine-Oriented Platform", Special Session on MULTIMED2021: Multimedia and Multimodal Analytics in the Medical Domain and Pervasive Environments, 27th International Conference on Multimedia Modelling (MMM2021), 25-27 January, 2021 in Prague, Czech Republic, (accepted for publication).

- T. Mavropoulos, G. Meditskos, E. Kamateri, S. Symeonidis, D. Tzimikas, L. Papageorgiou, C. Eleftheriadis, G. Adamopoulos, S. Vrochidis, I. Kompatsiaris. A Smart Dialogue-competent Monitoring Framework Supporting People in Rehabilitation. In Multimodal Signal Sensing and Analysis for Assistive Environments for Improving Quality-Of-Life (AGENT Workshop), 12th Pervasive Technologies Related to Assistive Environments Conference (PETRA'19). ACM, Rhodes ,Greece, June 5-7, 2019 (doi)

- A. Moumtzidou, P. Giannakeris, S. Andreadis, A. Mavropoulos, G. Meditskos, I. Gialampoukidis, K. Avgerinakis, S. Vrochidis and I. Kompatsiaris, "A multimodal approach in estimating road passability through a flooded area using social media and satellite images", @ multimedia satellite task MediaEval 2018. In Proceedings of the Working Notes Proceeding MediaEval Workshop, Sophia Antipolis, France, 29-31 October, 2018.

- Mavropoulos et al., 2017. "A Hybrid Approach for Biomedical Relation Extraction Using Finite State Automata and Random Forest-Weighted Fusion", Proceedings of the 18th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing 2017), April 17-23, 2017, Budapest, Hungary

- Mavropoulos et al., 2014. "Compilation of a Literary Text Corpus", Symposium: Corpus-Based Translation Studies with emphasis on parallel literary corpora, Aristotle University of Thessaloniki.

- Mavropoulos et al., 2011. "Les noms propres en français et grec: reconnaissance, extraction et enrichissement de dictionnaires" (in Greek), 30th International Conference Lexis and Grammar, University of Cyprus, Nicosia, Cyprus.

- Mavropoulos et al., 2003. "Morphological description of anthroponyms and toponyms in modern Greek", 22e colloque international Lexiques et grammaires compares, Thessaloniki.

Journals

T. Mavropoulos, G. Meditskos, E. Kamateri, M. Rousi, S. Symeonidis, D. Tzimikas, L. Papageorgiou, C. Eleftheriadis, G. Adamopoulos, S. Vrochidis, I. Kompatsiaris, "A context-aware conversational agent in the rehabilitation domain", Special Issue "Intelligent Innovations in Multimedia Data", Future Internet 2019, 11(11), 231; https://doi.org/10.3390/fi11110231

Book Chapters

A. Chatzimichail, Evangelos A. Stathopoulos, D. Ntioudis, A. Tsanousa, M. Rousi, A. Mavropoulos, G. Meditskos, S. Vrochidis and I. Kompatsiaris, "IoT and Semantic Web Technologies", Semantic IOT: Theory and Applications - Interoperability, Provenance and Beyond, Book series: Studies in Computational Intelligence, Springer, (accepted for publication), 2020.