

SISSY THEMELI

Sissy is a Ph.D. Candidate at the Dep. of Informatics & Telecommunications (DIT) at the University of Athens (UoA), studying deep machine learning methods for mining arguments from natural language resources. She is currently working as a Research Associate at the SKEL Lab of IIT at NCSR Demokritos, participating in EU and national funded projects in the areas of Machine Learning and Natural Language Processing.



CONTACT

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SKILLS

Programming Languages

Python
Java
R
Bash

Frameworks & Libraries

Django/Flask/FastAPI
Spring
PyTorch/Tensorflow
Scikit-Learn/SpaCy
FlairNLP/Transformers
Pandas/NumPy/Scipy

DBs/Search Engines & Deployment

Relational Databases
MongoDB
Elasticsearch
Kubernetes/Docker

Other

Git
LaTeX
Linux/Windows
MS Office/Libre Office

LANGUAGES

Greek (Mother Tongue)

English (IELTS, 2010)

French (SORBONNE II, 2006)

CERTIFICATES

Natural Language Processing specialization, Coursera, October 2020

WORK HISTORY

📅 July 2019 - today
📍 NCSR Demokritos (SKEL, IIT), Athens **Research Fellow**
Participation in various EU and national funded research projects in the areas of Deep Learning, Natural Language Processing (e.g. DebateLab, ENIRISST, etc.) and e-infrastructures (e.g. DARE project, FAIR4Fusion, etc.).

📅 August 2018 - August 2019
📍 VoiceWeb S.A., Athens **Software Engineer**
Development and design of NLU/NLP applications. I was responsible for the redesign and implementation of the Dialog Manager and NLI platform products, i.e. new architecture following the microservices paradigm, new components (e.g. Rule Engine), new RESTful APIs and new User Interface for the NLI platform.

📅 May 2016 - July 2018
📍 G.N.T. Information Systems S.A., Athens **Software Engineer**
Backend development using Java EE/Spring frameworks (e.g. EJB3, Spring Framework, Hibernate, RESTful and SOAP web services), with test-driven approach (JUnit and integration tests). Participated also in UI projects written with Vaadin and Android frameworks.

EDUCATION

📅 December 2020 - ongoing
📍 Dep. of Informatics, UoA, Athens **Ph.D. in Argument Mining**

📅 October 2016 - October 2018
📍 Dep. of Informatics, UoA, Athens **M.Sc. in Computer Science**

📅 October 2008 - December 2013
📍 AUEB, Athens **B.Sc. in Management Science & Technology**

NOTABLE PROJECTS


- 🏆 Argument Mining system on Greek news articles
- 🏆 Development of an e-science platform on the cloud
- 🏆 Hate Speech detection application on online user comments, e.g. tweets
- 🏆 Python project on big geospatial data (feature transformation, learning and clustering)



SEMINAR - CONFERENCES

- Language as a poset and Tensor Networks (speaker: Dr. Y. Vlassopoulos, virtual event, date: 08/02/2021)
- Artificial Intelligence for Multilanguage Services for Citizens and Businesses, ELRC workshop (virtual event, 15/12/2020)
- Using text data to improve causal analyses of electronic health records (speaker: Dr. Aaron Kaufman, place: NCSR Demokritos, date: 7/11/2019)
- 1st Athens NLP Summer School (place: NCSR Demokritos, dates: 18-25/09/2019)
- 20th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing2019, place: LaRoche France, dates: 7-13/04/2019)
- Object-Centric Machine Learning (speaker: Leonidas Guibas, place: Department of Informatics and Telecommunications, date: 5/5/2017)

PUBLICATIONS

Dare platform: a developer-friendly and self-optimising workflows-as-a-service framework for e-science on the cloud

 Iraklis A. Klampanos, **Chrysoula Themeli**, Alessandro Spinuso, Rosa Filgueira, Malcolm Atkinson, André Gemünd, and Vangelis Karkaletsis

 2020  Journal of Open Source Software

 [joss](#)

A study of text representations for Hate Speech Detection

 **Chrysoula Themeli**, George Giannakopoulos, Nikiforos Pittaras

 2019  CICLing

 [arXiv](#)