SISSY THEMELI

Sissy is a Ph.D. Candidate at DIT/UoA, studying deep machine learning methods for mining arguments from natural language resources and a PhD Researcher at the SKEL Lab (IIT/NCSR Demokritos), participating in research projects in the areas of Machine Learning and Natural Language Processing. She is also working as a Machine Learning Engineer at Linked Business.

CONTACT

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SKILLS

Programming Languages
Python
Java
R
Bash

Frameworks & Libraries
Django/Flask/FastAPI
Spring
PyTorch/Tensorflow/Keras
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

📅 April 2021-today
📍 Linked Business

Machine Learning Engineer

📅 September 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 (DebateLab) and e-infrastructures (e.g. DARE project, FAIR4Fusion).

📅 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 Information & Communication Technologies

📅 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

- 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)
- 20th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing2019, place: LaRochelle 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-friendlyand self-optimising workflows-as-a-service framework for e-science on the cloud

Iraklis A. Klampanos, **Chrysoula Themeli**, Alessandro Spinuso, Rosa Filgueira, MalcolmAtkinson, 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