

# Theatina Kylafi

NLP | Business Analysis | IT



## Skills

### Tools / Libraries / IDEs

Jira • Confluence • Azure AI Services • LangGraph • LangSmith • MongoDB • Prompt Flow • Power BI • Gherkin • Scikit-learn • BeautifulSoup • Git • Word2Vec • PyTorch • Tensorflow • Keras • NLTK • Pandas • Numpy • Matplotlib • Librosa • Rasa • Kaldi • Praat • Music21 • Visual Studio Code • ELAN • MySQL Workbench

### Operating Systems

Windows • Android • MacOS • iOS • Linux

### Programming

Python

C, C++

Matlab, Bash-Scripting

Java, SQL, HTML, Assembly, PHP

LaTeX

### Interpersonal & Intrapersonal

Team player • Curious • Creative • Critical thinker • Problem solver • Goal setter • Adaptable

### Musical skills

Classical Piano (Degree) • Monody

### Additional skills

Mediation • Stress Management

### Activities

Mensa • Athens Singers Choir • ESN KAPA Athens Volunteer • Smartpress S.A. Volunteer

### Hobbies

Music • Cinema • Psychology

## Languages

Greek	C2	Native
English	C2	• • • • •
French	B1	• • • • •
Music	Lvl 6	• • • • •

## Experience

### Netcompany-Intrasoft

AI Solutions Engineer

December 2022 – currently

- LLM-based assistants, RAG pipelines, End-to-end AI flows, evaluation framework design, technical documentation, GenAI solution blueprints, BDD/Gherkin requirements analysis, Agile product management, NLP automation scripting, AI/ML CoE, client communication

### National and Kapodistrian University of Athens

Researcher (e-Accessibility Project)

March 2021 – February 2022

### Institute for Language and Speech Processing ( ILSP ), “Athena” Research and Innovation Center

Research Intern

July 2019 - January 2020

- Deep learning techniques applied on music data using multiple Python libraries (e.g. **Keras**, **Music21** ), aiming to train a machine learning model to properly accompany a jazz improvisation soloist in real-time

## Education

### M.Sc in Language Technology

National and Kapodistrian University of Athens, GR

Provisional Grade: 9.6 / 10

Deep Learning, Computational Linguistics, Big Data, NLP, DSP, IPA, Phonetics, Cognitive Robotics, TTS-STT, NLU, NLG, Dialogue Systems

October 2020 - currently

### ReGeneration Soft & Business Skills Training

15th General Cycle Finalist

Project Management, Resiliency, Design Thinking

November 2022

### B.Sc in Informatics and Telecommunications

National and Kapodistrian University of Athens, GR

Grade: 8.02 / 10

Thesis: “iJazzARTIST: Intelligent Jazz Accompanist for Real-Time human-computer Interactive muSic improvisaTion”

July 2020

### Classic Piano Studies Degree

National Conservatory of Athens, GR

Grade: 9.75 / 10

January 2016

### Erasmus+ Exchange Programme

Ulster University, UK

Department of Computing and Engineering

September 2014 - January 2015

## Projects

### DistilBERT QnA

- Transformers, BERT, Question-Answering, SQuAD

2022

### Stress Detection using Deep Learning NNs

- LSTM/CNN/GRU, lexical/syntactic/emotion/depression feats, BERT, Word2Vec

2022

### UniPal: Academic Support Dialogue System

- Python 3.8.8, Rasa 3, NLU, NLG

2022

### Multithreaded Key-Value DataBase (KV Store)

- Python, “Trie” data structure, Sockets, Data creation script

2021

### iJazzARTIST: Intelligent Jazz Accompanist for Real-Time human-computer Interactive muSic improvisaTion

- Python, ML, MIR, Keras, RNNs, DL, LSTM, Jazz Improvisation
- Kritsis, Kosmas, et al. “On the Adaptability of Recurrent Neural Networks for Real-Time Jazz Improvisation Accompaniment.” *Frontiers in Artificial Intelligence* 3 (2020): 113 ( **Publication** )

2020

### Cryptocurrency Recommendation System trained on tweets

- C, K-Means/K-Medoids/NN clustering, LSH/Hypercube hashing algorithms

2019

### Multithreaded Web Server for “GET” requests and Website Crawler

- C, Web Server, Website Crawler, sockets deployed for data exchange

2018