

Andreas Kontogiannis

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EDUCATION

National Technical University of Athens (NTUA), Greece

M.Sc. in Data Science and Machine Learning (90 ECTS)

Sep. 2021 – Present

- Selected 6th in 40 students from 283 candidates (top 2.5%)

National Technical University of Athens (NTUA), Greece

BSc and M.Eng. in ECE (5-year joint degree; 300 ECTS)

Sep. 2015 – Feb 2021

- Cumulative GPA: **8.11/10.00**
- Major: Computer Science
- Thesis: *"Focused Crawling ethnopharmacological references with Active and Reinforcement Learning"*, 10.0/10.0

RESEARCH AND WORKING EXPERIENCE

University Of Pireaus, UPRC, AI Laboratory, Greece

Research Assistant

Jun. 2021 – Present

- Carried out research on Explainable RL, supervised by Prof. George Vouros

NCSR "Demokritos", IIT, Software & Knowledge Engineering Lab, Greece

Undergraduate Research Assistant

Mar. 2020 – Feb. 2021

- Carried out research on adaptive focused crawling, link classification (DMOZ, Curlie) and keyword extraction, supervised by Dr. George Giannakopoulos
- Proposed a state-of-the-art tree-based focused crawling algorithm through a novel MDP formulation for focused crawling with RL

Software Developer Intern

Jul. 2020 – Aug. 2020

- Contributed a dataset of ethnopharmacological references for classification, taking into account the interannotator agreement of domain experts
- Developed a best-first focused crawler based on prioritized input keywords

National Technical University of Athens, ECE, Greece

Undergraduate Teaching Assistant

Oct. 2016 – Feb. 2019

- Volunteering as Teaching Assistant in NTUA undergraduate courses "Computer Programming" (1st Semester) and "Programming Techniques" (2nd Semester).

RESEARCH INTERESTS

Reinforcement Learning, Active Learning, Hierarchical ML, Efficient Sampling, Information Retrieval.

JOURNALS

J1. Axiotis, E.; Kontogiannis, A.; Kalpoutzakis, E.; Giannakopoulos, G. ***A Personalized Machine-Learning-Enabled Method for Efficient Research in Ethnopharmacology. The Case of the Southern Balkans and the Coastal Zone of Asia Minor.*** Appl. Sci. 2021, 11, 5826.
<https://doi.org/10.3390/app11135826> [\[pdf\]](#) [\[data\]](#)

TALKS & PRESENTATIONS

T1. A.Kontogiannis and E.Axiotis. *A Personalized Artificial-Intelligence-enabled Method for Efficient Research in Ethnopharmacology.* FOSSCOMM 2020. [\[link\]](#)

SKILLS & TOOLS

Programming Languages: Python, Java, Prolog, C/C++, MySQL, SML

Machine Learning: TensorFlow, Sklearn, NumPy, Gensim, NLTK

Languages: Greek (mother tongue), English (C2), German (B1)

HONOURS, AWARDS & HIGHLIGHTS

- Artificial Intelligence Stack Exchange: Reputation 781 (*top 90* of tracked users)
- Machine Learning, Coursera, Stanford University (Feb. 2020)
- Valedictorian Award by Ένωσις Ποντίων Μελισσίων Αττικής for graduating with the highest grade in Lyceum
- "Αιέν αριστεύειν": 3 x "Award for Best Student in Class" (2013, 2014, 2015) in Lyceum Melissia

REFERENCES UPON REQUEST

George Vouros (Prof. at UPRC, [\[GS\]](#))

Alexandros Potamianos (Prof. at NTUA, [\[GS\]](#))

George Giannakopoulos (Research Fellow at NCRS "Demokritos", [\[GS\]](#))