

Paschalis Agapitos

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Profile

PhD candidate in Computational Humanities with a background in classical philology and digital humanities. Experienced in NLP, network science, and cultural data analytics. Adept at applying machine learning and deep learning methods to interdisciplinary research problems, particularly involving historical and textual datasets.

Technical Skills

Languages & Libraries: Python, R, HTML5, JavaScript, TensorFlow, Keras, PySpark, Dask

Tools & Platforms: Git/GitHub, Quarto, Jupyter, Overleaf

Concepts: Natural Language Processing, Data Science, Stylometry, Deep Learning, Cultural Analytics

Education

PhD in Computational Humanities, Donostia International Physics Center / University of the Basque Country 2023–Present

Research on Wikipedia-based cultural networks using NLP and network data science.

MA in Digital Humanities, University of Groningen 2021–2022

BA in Philology (Classics), University of Ioannina 2014–2019

Specialization in Ancient Greek and Latin Linguistics

Additional Training:

- Deep Learning with Python – HiTZ (UPV/EHU), 2024
- Build Deep Learning Models with Tensorflow – Codecademy, 2024
- Natural Language Processing with Python – Codecademy, 2022
- Data Science with Python – University of Athens, 2021 (Grade: 98.3%)
- HTML5 and JavaScript – University of Athens, 2021

Professional Experience

Research Intern, CulturePlex Lab, Western University (Canada) Jan–Apr 2025

Cultural data analytics in a multi-national team, focusing on computational humanities research.

PhD Researcher, DIPC / UPV-EHU (Spain) Apr 2023–Present

Big Data analysis of historical figures using distributed frameworks (Dask, PySpark) and NLP and network data science.

Teaching and Research Assistant, University of Groningen (Netherlands) Sep 2022–Mar 2023

Supported computational semantics courses and co-developed interactive digital textbook using Quarto.

Secondary School Teacher, Frontistirio Prooptiki (Greece) Sep 2019–Jun 2021

Taught Ancient/Modern Greek and Latin literature.

Archaeologist Assistant (Trainee), Ministry of Culture (Greece) Jul–Aug 2018

Supported cataloging, tours, and fieldwork at the Archaeology Museum of Alexandroupolis.

Projects

Cultural Analytics Open Science Guide (2022–Present)

Developed Quarto-based digital textbook for the Centre of Digital Humanities in Groningen. github.com/GroningenDH/Cultural-Analytics-Open-Science-Guide

Stylometric Analysis on British Political Speeches (2021)

Applied stylometry and scraping to analyze Churchill's rhetoric.

paschalisag.github.io/SAPS/intro.html

CNN for Pneumonia Detection

Built and trained a CNN on X-ray images using TensorFlow.

GitHub Project

Publications & Conferences

- Paschalis Agapitos, Juan Luis Suárez, Gustavo Ariel Schwartz. *WikiTextGraph: A Python Tool for Parsing Multilingual Wikipedia Text and Graph Extraction*. Journal of Open Research Software (JORS). 13(1), p. 17. 2025. 10.5334/jors.572
- Miccio, L.A., Agapitos, P., Gamez-Perez, C. et al. *Wikipedia as a cultural lens: a quantitative approach for exploring cultural networks*. Humanit Soc Sci Commun 12, 462 (2025). doi.org/10.1057/s41599-025-04772-5
- Agapitos, P., van Cranenburgh, A. (2024). *A Stylometric Analysis of Seneca's Disputed Plays*. Journal of Computational Literary Studies. doi:10.48694/jcls.3919
- Speaker: WikiWorkshop 2025 & Computational Literary Studies 2024 (Vienna) & CUDAN 2023 (Tallinn)

Languages

Greek (Native), English (C1), Spanish (B2), German (B1), Basque (A1)