

Angelos Poulis

Boston, MA

[✉ apoulis@bu.edu](mailto:apoulis@bu.edu) | [🏠 angelosp.github.io](https://angelosp.github.io) | [🔗 angelosp](https://angelosp.dev) | [in angelosp](https://www.linkedin.com/in/angelosp/)

Education

Boston University (BU)

Ph.D. in COMPUTER SCIENCE

Boston, MA

Sep 2024 – Present

- Advisors: Evimaria Terzi, Mark Crovella
- Research interests: Mechanistic interpretability, reasoning in language models (LMs)
- Anticipated Graduation: May 2029

National and Kapodistrian University of Athens (NKUA)

B.Sc. in INFORMATICS AND TELECOMMUNICATIONS

Athens, Greece

Sep 2019 – Mar 2024

- Major: Computer Science, Specialization: Data and Knowledge Management
- GPA: 8.7/10 (Honors)
- Thesis: “Reasoning over Description Logic-based Contexts with Transformers” 
- Supervisor: Manolis Koubarakis, Co-supervisor: Eleni Tsalapati

Experience

Boston University

Boston, MA

Graduate Research Assistant

Sep 2024 – Present

- Analyzing internal representations of LMs for identifying truthfulness signals in reasoning and factual-recall cases.

National and Kapodistrian University of Athens

Athens, Greece

Research Intern, KDD Lab

Oct 2023 – Jul 2024

- Worked on the development of an automated toolkit for bias detection in ML algorithms as part of the AutoFair project.
- Supervisor: Dimitrios Gunopoulos.

National and Kapodistrian University of Athens

Athens, Greece

Undergraduate Research Student, AI Team

Jan 2022 – Feb 2024

- Created a synthetic 400k-example dataset for logic reasoning in natural language based on Description Logics; fine-tuned transformer LMs (DeBERTa) and evaluated GPT models in zero- and few-shot settings.
- Supervisor: Manolis Koubarakis.

Publications

PUBLISHED

A. Poulis, E. Tsalapati, M. Koubarakis. “Transformers in the Service of Description Logic-Based Contexts.” *EKAW 2024*.

A. Poulis, E. Tsalapati, M. Koubarakis. “Transformer-Based Language Models for Reasoning in the Description Logic \mathcal{ALCQ} .” *NeLaMKRR Workshop at KR 2024*.

POSTER PRESENTATIONS

A. Poulis, M. Crovella, E. Terzi. “Using Geometries of Truth to Identify Factual Recall in LLMs.” *NEMI Workshop 2025*.

A. Poulis, D. Tomaras, V. Kalogeraki, D. Gunopoulos. “AutoFair Toolkit: An Automated Tool for Evaluating Fairness in AI/ML Models.” *EuroSys 2024 Posters Track*.

Honors and Awards

2025 Scholarship, Gerondelis Foundation

2025 Scholarship, Eleni Gatzoyiannis Foundation

- Spring 2024 **Dean's Fellowship**, Department of Computer Science, BU
- Fall 2024 **Non-service Chair's Award**, Department of Computer Science, BU
- 2024 **Best Thesis Award**, Department of Informatics and Telecoms., NKUA
- 2018, 2019 **Cyprus Olympiad in Informatics Finalist**, Cyprus Computer Society

Teaching Experience

- Fall 2023 **Operating Systems (undergraduate class)**, Teaching Assistant
- Fall 2022 **Artificial Intelligence (undergraduate class)**, Piazza Forum Assistant
- Fall 2022 **Artificial Intelligence II (graduate class)**, Piazza Forum Assistant

Outreach

- 2020–Present **Cyprus Olympiad in Informatics**, Scientific Committee Member
- Nov 24–29, 2021 **Cyprus Olympiad in Informatics**, Team Deputy Leader

Skills / Technologies

Python • C/C++ • Java • SQL • PyTorch • scikit-learn • NumPy • Git