

Petros Raptopoulos

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EDUCATION

- National Technical University of Athens (NTUA)**, Athens, Greece 09/2019 - 07/2025
- BSc & MSc in Electrical and Computer Engineering (5-year joint degree; 300 ECTS)
 - Grade: 8.76/10 (*top 10% among a graduate class of 300 students*)
 - Major: Computer Science
 - Relevant Coursework: Artificial Intelligence (8/10), Machine Learning (8/10), Neural Networks and Deep Learning (10/10), Image and Video Analysis and Technology (10/10), Advanced Topics in Artificial Intelligence (10/10)
 - Thesis: “*PAKTON: A Multi-Agent Framework for Question Answering in Long Legal Agreements*”
Course: Artificial Intelligence, Grade: 10/10
- Nationwide University Entrance Examination score: 18.576 / 20.000 (top 1% nationwide) 06/2019
- Evangelical Model High School of Smyrna, Athens, Greece 09/2016 - 06/2019
 - Grade: 19.6/20
 - Evangelical Model Middle School of Smyrna, Athens, Greece 09/2013 - 06/2016
 - Grade: 18.8/20
 - Admitted through competitive entrance exams, ranked 56th out of 521 applicants

PROFESSIONAL AND RESEARCH EXPERIENCE

- AI Software Engineer**, VeltistonAI, Athens, Greece 10/2024 - Present
- Carried out research in Multi Agent (LLM) Systems and RAG pipelines applied in the legal domain
 - Worked on an LLM-powered Legal Assistant tool for contract comparison and negotiation analysis
 - Designed and built from scratch an agentic, MCP based architecture for a healthcare chatbot. Information is retrieved using RAG and custom tools.
 - Deployed LLMs on Cloud and on premise.

PUBLICATIONS

- Petros Raptopoulos, Giorgos Filandrianos, Maria Lymperaiau, Giorgos Stamou, “**PAKTON: A Multi-Agent Framework for Question Answering in Long Legal Agreements**” (*EMNLP Main Conference, Oral present.*, 2025) <https://arxiv.org/abs/2506.00608>
Fully open-source, end-to-end, multi-agent LLM framework with plug-and-play capabilities for contract analysis using a novel RAG component. Quantitative and Qualitative experiments on various benchmarks and datasets.

HONORS & AWARDS

- **Scholarship**, State Scholarships Foundation (IKY) for diligent students belonging to Vulnerable Social Groups, 2019-2020
- **Scholarship**, State Scholarships Foundation (IKY) for diligent students belonging to Vulnerable Social Groups, 2020-2021
- **Scholarship**, State Scholarships Foundation (IKY) for diligent students belonging to Vulnerable Social Groups, 2022-2023

COMPETITIONS & PARTICIPATIONS

- Greeks In AI Symposium, Poster Presentation, 7/2025
- Athens Legal AI Hackathon 2025 by Archimedes, demonstration of PAKTON, 3/2025
- 28th, 29th, 30th PanHellenic Informatics Competition for Middle-High School students, Implementation of algorithmic solutions to advanced problems using C++, 2015-2018
- CanSat In Greece 2018, satellite development using Arduino

LANGUAGES

- **English** (C2), **German** (B2), **Greek** (native)