

PERSONAL
INFORMATION

📍 91101 Pasadena, CA  [GitHub](#)  [in LinkedIn](#)  [nkanak.github.io](#)
 nikos.kanakaris89@gmail.com  [Google Scholar](#)  [detailed CV](#)

SHORT BIO

- Currently : Data Scientist at e-food.gr - Delivery Hero.
- **Ph.D.** in graph mining, natural language processing. BSc. in Computer Science.
- Experience both in **academia** and **industry**.
- Experience in research, end-to-end machine learning projects, full-stack software development and deployment.
- **Fit in positions** : Data & Research Scientist or Software & Machine Learning Engineer.
- 17 full-paper scientific publications (4 journals, 3 book chapters, 10 conferences).

EXPERIENCE

Data Scientist, efood - Delivery Hero *January 2023 - present*

- Cross-sell product recommendations with a two-tower neural network model.
- ML models for price range prediction for restaurants.
- Product taxonomy and tagging model using multi-label classification and multi-task learning.
- Developed an in-house product annotation tool.

Machine Learning Researcher, University of Patras *December 2017 - June 2023*

- Graph convolutional networks for detecting fake news campaigns.
- Node classification and representation learning models for a collaborative environment.
- Machine learning for discourse analysis environments.
- Developed a personalization and user profiling algorithm.
- Senior AI engineer for the AI back-end system of [Mission-X](#).
- Algorithms for prediction and automation for project management.
- Co-author of the deliverables for 5 EU and Greek-funded research projects.

Software Engineer, Programize LLC *February 2016 - August 2017*

- Developed and deployed back-end systems using various programming languages.

Software and Research Engineer, SoftCom International *July 2015 - May 2016*

- Worked for a German Automotive Industry under an NDA, area : Navigation.
- Worked for a Space Industry under an NDA, area : preventive performance monitoring.
- Research on an alternative parallel algorithm for hierarchical clustering.

Software and Machine Learning Engineer (PART-TIME), Caper Co. *August 2017 - present*

- Developed the platform for placing and tracking B2B and B2C orders.
- Performed statistical analyses to identify and engage candidate customers.
- ML models for demand forecasting.

EDUCATION

University of Patras *February 2018 - July 2023*

Ph.D. in Graph Mining and NLP

Thesis : ‘Graph-based knowledge representation and extraction from unstructured textual data using machine learning algorithms’ [[Thesis](#)] [[Presentation](#)]

Supervisor : [Nikos Karacapilidis](#)

Harokopio University of Athens *September 2011 - June 2016*

BSc. in Informatics and Telematics, GPA : 8.5/10 (valedictorian)

Thesis : ‘Parallelization of “burn scar mapping” algorithms’ [[Thesis](#)] [[Presentation](#)]

Supervisor : [Dimitrios Michail](#)

TECHNICAL SKILLS

- **Programming languages** : Python/Cython, C/C++, JavaScript/Node.js/TypeScript, Julia, Java, SQL, \LaTeX
- **Databases** : PostgreSQL, MySQL, SQLite, Neo4j, MongoDB, BigQuery
- **Computer Science** : Machine Learning, Natural Language Processing, Graph Mining, Graph Theory, Recommender Systems, Parallel Programming, Embedded Systems
- **Technologies/Tools** : PyTorch, PyTorch Geometric, TensorFlow, Keras, scikit-learn, Hugging Face, LightGBM, Pandas, Docker, Git, NGINX, MLFlow, Optuna, NetworkX, Streamlit, Full-stack software development, Django, Flask, FastAPI, Express, Angular
- **Other** : Autodesk Fusion 360, 3D printing, Electronics