



Panagiotis Souranis

DATA SCIENTIST · ML/DATA ENGINEER · SOFTWARE ENGINEER

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Summary

- 4+ years of working experience in data science and machine learning, delivering data-driven solutions that drive business impact. Skilled in advanced analytics, modeling, and visualization to extract actionable insights from diverse datasets.
- Bachelors degree with Distinction in Mathematics and Masters degrees in Statistics and Artificial Intelligence, both with High Distinction. Strong academic background in mathematics, statistics, and artificial intelligence.
- Enjoy team work, continuous learning, improvement and development.
- Passionate about researching and applying novel ideas to solve real business problems using data science and machine learning. Constantly exploring cutting-edge techniques and staying updated with the latest advancements in the field.

Experience

Altair Engineering

SENIOR DATA SCIENTIST

Thessaloniki, Greece

May. 2022 - Present

- Designed LLM features for our data analytics platform, allowing users to perform data exploration and analysis by simply using natural language.
- Created a LLM documentation chatbot for our products, offering users instant and accurate responses to their queries, improving accessibility and promoting self-service support.
- Responsible for end-to-end development and testing of new features for the Data Analytics platform, encompassing MLOps (Machine Learning Operations) and AutoML (Automated Machine Learning). Oversaw the design, implementation, and validation of innovative functionalities that streamlined the deployment and management of machine learning models, as well as automated the model selection and optimization processes. This contributed to enhanced efficiency, accuracy, and scalability of the platform, empowering users to leverage advanced analytics capabilities with ease.
- Developed in collaboration with senior stakeholders the roadmap for Altair's Data Analytics suite of products over several release cycles.

Accenture

DATA SCIENCE SENIOR ANALYST

Thessaloniki, Greece

May. 2021 - May. 2022

- Strong communication and presentation skills: Able to effectively communicate complex technical concepts to both technical and non-technical audiences. Skilled in presenting findings, methodologies, and recommendations in a clear and concise manner to stakeholders at various levels of the organization.
- Extensive experience with big data technologies: Experienced in working with distributed computing frameworks like Apache Hadoop and Apache Spark for processing and analyzing large-scale datasets. Skilled in leveraging cloud-based data platforms such as Amazon Web Services (AWS) or Google Cloud Platform (GCP) for scalable and efficient data storage, processing, and deployment.
- Implemented advanced machine learning techniques in the telecommunications industry to predict equipment failures and proactively mitigate potential network disruptions. Leveraged historical data on network performance to conduct root cause analysis, identifying the underlying factors contributing to network issues and disruptions.

Deus Ex Machina AI

DATA SCIENTIST

Thessaloniki, Greece

Feb. 2020 - May. 2021

- Developed a state-of-the-art NLP system using transformer models to extract entity relations from bio-related scientific articles, advancing biomedical information extraction and enabling efficient knowledge discovery.
- Developed machine learning solutions for disease prediction tasks, enabling early detection and personalized interventions for improved outcomes.
- Designed AutoML solutions for rapid experimentation, accelerating model iteration and improving performance.

Education

Aristotle University of Thessaloniki

MASTER OF SCIENCES IN STATISTICS (DEPT. OF MATHEMATICS)

Thessaloniki, Greece

Oct. 2018 - Feb. 2021

- Thesis title: Monte Carlo methods. Applications in Deep Learning. GPA: 8.98 / 10.0.
- First class honours.

Aristotle University of Thessaloniki

MASTER OF SCIENCES IN ARTIFICIAL INTELLIGENCE (DEPT. OF COMPUTER SCIENCE)

Thessaloniki, Greece

Oct. 2018 - Jul. 2020

- Thesis title: Forecasting and smoothing methods for time series data. GPA: 9.59/10.0.
- First class honours (Second highest GPA).

Aristotle University of Thessaloniki

BACHELOR OF SCIENCE IN MATHEMATICS (DEPT. OF MATHEMATICS)

Thessaloniki, Greece

Sep. 2013 - Jan. 2018

- 4 years equivalent degree. GPA: 8.13/10.0
- Received commendation, top 8% of my class.

Skills

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|--------------|-----------|---------------|------------|--------------|-----------|-------------|-------------|--------|---------|
| Programming | Python | C++ | CUDA | R | Java | SQL | Mathematica | MATLAB | LaTeX |
| ML/Data Eng. | Pytorch | Keras | Tensorflow | Scikit-learn | LangChain | Llama-Index | Statsmodels | SpaCy | |
| | MLflow | Transformers | Optuna | PySpark | Seldon | BigQuery | Airflow | dbt | FastAPI |
| DevOps | Terraform | AWS Sagemaker | Azure ML | Vertex AI | Docker | Kubernetes | Git | Linux | |
| Languages | English | Greek | | | | | | | |

Awards

Prediction Agent Hackathon (Best Trader Agent Tool or Enhancement)

Roundup | 

1ST PLACE.

[Oct. 2023](#)

- Hackathon to push forward the use of crypto AI agents in prediction markets.
- Developed tools and enhancements for AI mech - a tool leverages LLMs to analyze and provide outcome probabilities on questions.

Certificates

IBM Applied DevOps Engineering Professional Certificate

Certificate

3 MONTH PROGRAM IN DEVOPS.

[Aug. 2023](#)

- In this 2 month program, I embraced DevOps. I developed RESTful microservices, test with TDD methods, practice CI/CD, and deploy using serverless and container technologies like Kubernetes. Also, I developed and executed unit tests with test driven development (TDD) methods including coverage reports, factories, fakes, and mock objects.

Machine Learning Engineering for Production

Certificate

4 MONTH PROGRAM IN MLOPS.

[Jan. 2022](#)

- In this 4 month program (specialization), I learned how to conceptualize, build, and maintain integrated systems that continuously operate in production. I managed to design an ML production system end-to-end learning about the challenges and the necessary skills needed to succeed in this area. I was able to establish data lifecycle by leveraging data lineage and apply techniques to manage modeling resources and best serve offline/online inference requests. Lastly, I learned how to apply best practices and delivery techniques to maintain a continuously operating production system.

Oxford Machine Learning Summer School (OxML)

Certificate

2 MONTH PROGRAM IN MACHINE LEARNING & FINANCE.

[Jul. 2023](#)

- In this 2 month program, I explored new frontiers in the field. I learned how Machine Learning is applied in the investing industry sector and I got up to date with the latest methodologies for trading and hedging, building market simulators and also leveraging Natural language processing for making more accurate predictions.