

KANTIOTIS NIKOLAOS

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SKILLS

- Languages: Python, SQL, HTML
- Libraries & Frameworks: React, Node.js, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch
- Databases & Tools: PostgreSQL, MSSQL, MySQL, Power BI, Matplotlib, Seaborn, BeautifulSoup

WORK EXPERIENCE

CRM & Sales Data Scientist, ELPEN PHARMA

Sep 2023 - Present

- Integrated and transformed over 150 monthly reports into Power BI, including both new creations and automated updates, ensuring streamlined data visualization and analysis.
- Developed Python automations for processing and managing Excel files, improving efficiency and reducing manual effort in data handling.
- Designed a new bonus formula to optimize performance-based rewards, ensuring fairness and alignment with company objectives.

Data Analyst , IQVIA

Feb 2022 - Sep 2023

- Tested data prediction algorithms based on historical data.
- Researched and resolved issues regarding integrity of data flow into databases.

ERP Data Analyst , Syscode Zougri & Co

Feb 2021 - Feb 2022

- Applied in-depth knowledge of application components and query tools to streamline business processes and achieve key performance objectives.
- Collaborated with cross-functional teams to identify and implement process improvements, increasing operational efficiency by 20%.

EDUCATION

Master of Science: Artificial Intelligence & Visual Computing

Oct 2025 - Jun 2026

University of West Attica & University of Limoges

- Pursuing Visual Computing specialization with emphasis on advanced image analysis, synthesis, computer vision algorithms, and AI-driven graphics processing
- Gaining proficiency in cutting-edge visual computing frameworks, implementing machine learning models for image-based applications and real-time visual data analysis
- Engaged in research-oriented curriculum covering photorealistic rendering, image enhancement, visual recognition systems, and computational imaging techniques

Master of Science: Computer Science

Oct 2021 - Sep 2023

University of Pireaus , department of Informatics

- Developed advanced proficiency in Python for data analysis, machine learning, and process automation.
- Designed and optimized large-scale databases using PostgreSQL and SQL to ensure efficient data retrieval and management.

Bachelor of Science: Statistic And Insurance Science

Oct 2012 - Sep 2020

University of Pireaus , department of Statistics & Insurance Science

- Applied A/B testing and statistical modeling to drive data-driven decision-making and optimize business strategies.
- Utilized advanced statistical analysis to build predictive models for real-world problems in insurance and risk management.

PROJECTS

Master Thesis ,Object Detection in Basketball Games

- Developed and trained a deep learning model to perform real-time object detection in live basketball video streams.

Autonomous AI Data Agent | Python, LangChain/LangGraph, FastAPI, Docker

- Production-grade autonomous agent using LangGraph to perform end-to-end data analysis on CSV/Parquet datasets via natural language.
- A multi-phase state machine (Understand, Plan, Execute, Validate, Synthesize) that decomposes complex queries into 2–6 executable steps with a 100% completion rate on benchmarks.
- Implemented a self-healing execution loop that utilizes LLM-guided error analysis to rewrite and retry failed Python/SQL code, achieving a 92% chart generation accuracy.
- A 5-layer security sandbox for code execution, utilizing AST-based import validation, subprocess isolation, and resource timeouts to prevent unauthorized system access.

Querlytics (SaaS Platform), Founder & Developer | <https://www.querlytics.com>

- Architected and deployed a full-stack AI application that transforms natural language into complex formulas (DAX, Excel, SQL, LaTeX) with over 90% accuracy.
- Engineered the backend using Next.js 14, TypeScript, and MongoDB Atlas, integrating the Anthropic Claude API for core AI functionality.
- Implemented a complete, production-ready system featuring secure user authentication (JWT, Google OAuth), subscription management with the Stripe API, and monetization via Google AdSense.
- Built a scalable and high-performance frontend with a brutalist design system using Tailwind CSS, achieving 95+ Lighthouse scores and deploying on Vercel with automated CI/CD.