DIMITRA GKOGKOU

Data Scientist | Physics Ph.D.

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📍 Berlin, Germany

SUMMARY

My eternal drive is to explain the world through numbers and patterns. This passion led me to physics and, as a natural progression, to data science and machine learning, where I am drawn to the applications of data and models. I am eager to leverage my diverse skill set and years of professional experience in both research and corporate settings to deliver actionable insights for your team.

EXPERIENCE

Data Science Bootcamp

Spiced Academy

📅 04/2024 - 07/2024   📍 Berlin

- Intensive 12-weeks on-site bootcamp with **Python**-based weekly projects covering **data science & machine learning** topics
- Text **Classification** by fine-tuning **NLP Transformer** & RAG employment for tailored AI chatbot
- Fraud detection using **Gradient Boosted Decision Trees Algorithms**
- **Exploratory Data Analysis** of real estate data providing client-based recommendations

Managing Editor for Publishing & Operations

Wiley

📅 04/2021 - 10/2023   📍 Berlin

- **Managed** a new journal ensuring **operational efficiency** through cross-functional teams
- **Process development & workflow optimization**
- **Advised stakeholders** on strategic decisions guided by **analytics**
- Coordinated **marketing & promotional** activities
- **Trained & guided** team of 15 on best practices

Scientific Peer Review Editor

Wiley

📅 07/2019 - 04/2024   📍 Berlin

- **Evaluated & assured the quality & integrity** of submitted research articles for a broad portfolio of scientific journals
- **Coordinated** the peer review process & made decisions based on reviewer reports
- Participated in task force for **detecting publication fraud** (e.g. AI generated content)

Research Associate

Leibniz-Institut für Analytische Wissenschaften – ISAS – e.V.

📅 09/2017 - 07/2019   📍 Berlin

- **Collected & analyzed** experimental data
- Run **models & simulations**
- **Presented research results** of institute in international conferences
- **Wrote scientific papers** showcasing the experiments & results

TECH STACK

Python | Linux | Bash | Git | SQL

Scikit-learn | Tensorflow | Matplotlib

Seaborn | Pandas | Numpy

Streamlit | XGBoost | Hugging Face

Docker | Pytorch | Flask | FastAPI

HTML 5 | CSS 3 | Selenium

EDUCATION

PhD in Physics (Dr. rer. nat.)

Technische Universität Berlin

📅 10/2013 - 05/2017   📍 Berlin

- Subject expertise on nanotechnologies & photonics for bioanalytics, Summa Cum Laude

M.Sc. Physics & Technology of Materials

Aristotle University of Thessaloniki, Greece

📅 09/2011 - 03/2013   📍 Thessaloniki

- Thesis on analytical applications for pharmaceuticals, 8.81/10

B.Sc. Physics

Aristotle University of Thessaloniki, Greece

📅 09/2004 - 07/2011   📍 Thessaloniki

- Thesis on material luminescence for archaeometric purposes, 7.07/10

LANGUAGES

English	C2
German	C1
Greek	C2