DIMITRA GKOGKOU

Data Scientist | Physics Ph.D

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📍 Berlin, Germany

SUMMARY

With a successful career in physics and scientific publishing, the core of my experience is data collection and analysis, recognizing patterns to instruct decision making, both in the scientific and business context. Committed to perpetual learning, I have expanded my expertise in Python and Data Science/Machine Learning and am eager to leverage my diverse skill set for providing support to your team.

EDUCATION

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
- **Exploratory Data Analysis** of real estate data providing client-based recommendations
- **Fraud detection** in Electricity and Gas Consumption project

PhD in Physics (Dr. rer. nat.)

Technische Universität Berlin

📅 10/2013 - 05/2017   📍 Berlin

- Analysis and modeling of nanoparticle optical properties, tailoring their response for biosensing purposes, Summa Cum Laude

M.Sc. Physics & Technology of Materials

Aristotle University of Thessaloniki, Greece

📅 09/2011 - 03/2013   📍 Thessaloniki

- Thesis: Preparation & investigation with analytical methods of biodegradable polymer spheres for pharmaceutical applications, 8.81/10

B.Sc. Physics

Aristotle University of Thessaloniki, Greece

📅 09/2004 - 07/2011   📍 Thessaloniki

- Thesis: Analysis of obsidian optical & thermical properties, investigation of its possible archaeometric uses, 7.07/10

TECH STACK

Python	Linux	Bash	Git	Streamlit	HTML 5
CSS 3	Flask	SQL	scikit-learn	Pandas	Numpy
Plotly	Keras	Tensorflow	Bootstrap	Selenium	
Beautiful Soup					

EXPERIENCE

Managing Editor for Publishing & Operations

Wiley

📅 04/2021 - 10/2023   📍 Berlin

- **Managed** a new open access journal launch ensuring operational efficiency between **multiple systems & stakeholders**
- **Reported** to editorial board & contributed in **strategic decisions** guided by **metrics**
- Ensured the successful inclusion of journal to **indexing services**
- **Organized transfer pipelines** from other journals for healthy article flow
- 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 literature 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)
- Commissioned high quality content

Research Associate

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

📅 09/2017 - 07/2019   📍 Berlin

- **Collected & analyzed** experimental data on the field of photonics
- **Wrote scientific papers** showcasing the experiments & results
- **Presented research results** of institute in international conferences

LANGUAGES

Greek
Native

English
Full Professional Proficiency

German
Advanced

KEY ACCOMPLISHMENTS

Coding Projects
My GitHub portfolio illustrates the mastering of programming essentials within a short time frame

Produced & Managed New Product
Top-tier interdisciplinary journal: naturalsciencesjournal.com

Doctoral Research
Run experimental & data analysis, communicating the results in numerous papers & completing the project within demanding timeframes

ADDITIONAL COURSES

100 Days of Code- The complete Python Pro Bootcamp
Udemy - Dr. Angela Yu - March 2024

Become a Data Scientist
LinkedIn Learning - March 2024

SQL Essential Training
LinkedIn Learning - May 2023

Intro to Machine Learning
Kaggle - July 2023

Intro to Deep Learning
Kaggle - October 2023

Computer Vision
Kaggle - October 2023

Lean Six Sigma Yellow Belt
Wiley - August 2021

DISTINCTIONS

Lindau Nobel Meeting Alumna, 2019
Among the 500 Young Scientists from around the globe, selected to spend a week with 39 Nobel Laureates

Finalist of Dissertationspreis Adlershof, 2017
2nd position in the finals for the best PhD dissertation in Technology Park Adlershof

Best Poster Content, School of Analytical Sciences Adlershof Summer School, 2015
Award for best poster presentation

STRENGTHS

Solving Complex Problems
Applying analytical scientific methods

Project Ownership
Proficient in managing interdisciplinary projects, ensuring timely delivery & stakeholder satisfaction

Data Analysis
Expert in analyzing complex datasets, deriving actionable insights & recommendations.

Interdisciplinary & Intercultural Mindset
Team work & communication skills fostered in academic & corporate settings

VOLUNTEERING

Co-organizer
I, Scientist 2018
🗓 2018   📍 Berlin

Part of a small team that realized I, Scientist 2018- The conference on gender, career-paths & networking

Co-organizer
Homophonia
🗓 2012   📍 Thessaloniki

Organizing committee that brought into existence the first Thessaloniki Pride