Dr. Artiom Kovnatsky

Berlin, Germany
artiom.kovnatsky@gmail.com | +49 176 30162834
LinkedIn: in/artiomkovnatsky
Citizenship: German

Professional Summary

Dynamic and highly skilled Data Science professional with a comprehensive background in data science, MLOps, and strategic consultancy. Proven ability to deliver impactful data solutions under challenging conditions and within stringent deadlines. Recognized for innovative 'data activation' strategies and adept at steering complex projects toward strategic goals with a hands-on approach to leadership and team collaboration.

Core Competencies

Languages & Tools: Python, R, Postgres, SQL, Scikit-Learn, PyTorch, TensorFlow, CatBoost, XGBoost, HuggingFace.

MLOps & AI: LLMs (Langchain, OpenAI, LlamaIndex), AirFlow, MLFlow; AWS/GCP, Data Bricks, Spark.

Methodologies: Agile, Kanban, Flat Hierarchical Leadership.

Professional Experience

Senior Data Scientist & Consul. | Lot Internet GmbH | Berlin, Germany | October 2023 – July 2024

• Developed cutting-edge data science products for clients, focusing on vehicle data analytics, including projects for Skoda GmbH.

Lead Data Scientist | Valyria GmbH | Berlin & Brand., Germany | September 2021 – November 2022

• Established and led the data science department, managing a decentralized team with a flat hierarchy.
• Defined vision, strategy, and tech stack, driving the successful delivery of data science projects on schedule.

Data Scientist | SKF Group | Remote Germany & Israel | March 2021 – September 2021

• Collaborated in a specialized team to develop survival models for predictive maintenance, optimizing machine maintenance schedules.

Data Scientist & Consul. | Kenjo GmbH (ex: Org OS GmbH) | Berlin, Germany | May 2018 – June 2020

• Consulted the CEO on developing a predictive analytics engine for HR data.
• Authored a successful grant proposal, securing €1.2M in funding for the project.
• Provided critical last-minute project support, delivering solutions under tight deadlines.

Data Scientist & Consul. |Lot Internet GmbH | Berlin, Germany | April 2020 – April 2020

• Consulted on data science and business strategy for a new product launch.

Data Scientist & Consul. | Estonian Land Board | Tallinn, Estonia | January 2019 – December 2019

• Consulted the Estonian Land Board on building an automatic land valuation engine to replace the manual process for taxation.
• Developed a prototype evaluation engine for cadastral land units, forming the foundation for Estonia's 2020-2021 land tax reform.

Data Science & Engineering Consul. | Self-employment | September 2019 – Present

As a self-employed Data Specialist, I deliver data-driven insights and solutions by extracting value from complex datasets. I manage end-to-end projects, from consulting to deployment, with a strong emphasis on data analysis, modelling, and scalability. My experience includes providing actionable insights and working products even with limited resources.

• Specializing in "data activation", I provide hands-on expertise and consultancy across industries, using creativity, machine learning, business analysis, and MLOps to unlock value from (complex and "imperfect") data.
• Led and executed high-impact projects, consistently meeting tight deadlines while surpassing client expectations.
• Secured grants by proposing innovative AI research projects.

Data Scientist & Business Analyst | HOMEDAY GmbH | Berlin, Germany | February 2017 – April 2020

• Presented work at conferences, consistently recognized as one of the top speakers.
• Proposed and presented innovative business models, influencing company strategy.
• Improved business processes with data-driven insights (e.g., client ranking system).
• Developed the PREISATLAS real estate price map, resulting in a 1500% increase in traffic and a 750% increase in qualified leads.
• Developed the HOMEDAY-estimation package, a key tool for daily automatic property evaluation.

Researcher | Technicolor | Rennes, Brittany, France | June 2014 – August 2014

• Research & development in Image Processing: Technicolor submitted a patent.

Researcher & Teacher Assistant | USI | Lugano, Switzerland | December 2011 – November 2016

• Conducted research under Prof. Michael M. Bronstein, with work published in leading journals and conferences.
• Delivered presentations at prestigious international venues across the USA, China, Italy, Switzerland, France, Belgium, Germany, Luxembourg, and Spain, sharing insights and research on a global stage.
• "Computer Vision & Pattern Recognition" (Master): Spring 2015.
• "Geometric Shape Analysis" (Master): Fall 2013.

Education

USI-Università della Svizzera italiana | Lugano, Switzerland

PhD in Computational Science
December 2011 – November 2016
Thesis: Spectral Methods for Multimodal Data Analysis
Google scholar: https://tinyurl.com/3rz8mjyr

Technion - Israel Institute of Technology | Haifa, Israel

M.Sc. & B.Sc. in Applied Mathematics
September 2003 – September 2013

Skills

Languages: Russian (C2), English (C1), Ukrainian (C1), Hebrew (C1), German (B2).
Soft Skills: Public speaking, presenting, mentorship.

Interests

Reading | Writing | Event Organization | Boxing | Mentoring