Dr. Artiom Kovnatsky

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EXPERIENCE

Professional Summary

Experienced Data Scientist and Business Analyst with extensive expertise in delivering comprehensive data services, including data science, business analysis, MLOps, and consultancy; specialise in working with "poor" or "rare" data, even under challenging circumstances. Proven ability to manage and deliver high-risk projects on time and with high quality. Demonstrated leadership in building and guiding teams to achieve strategic goals. Proficient in various tools and methodologies, focusing on innovation and efficiency.

#Python/R #Postgres/SQL #Scikit-Learn #PyTorch/TensorFlow #CatBoost/XGBoost #HuggingFace #LLM (Langchain/OpenAI/LlamaIndex) #AirFlow/MLFow #MLOps #agile development #"flat" hierarchy; #AWS/GCP

Self-employment — Berlin, Germany [09/2019-]

Lot Internet GmbH #Recommendation — Berlin, Germany [10/2023-07/2024]
Developed data science products for clients, focusing on vehicle data (e.g., Skoda GmbH).

Valyria Technology GmbH #Recommendation — Berlin & Brandenburg, Germany [09/2021-11/2022]
Led the data science department, building and managing a decentralized, flat-hierarchy team from the ground up. Defined vision, strategy, tech stack, prioritization, and development plans. Consistently delivered projects on time.

SKF Group — Berlin, Germany & Haifa, Israel [03/2021-09/2021]
Worked in a small team of data scientists, focusing on developing survival models for machine maintenance and optimizing schedules.

Lot Internet GmbH — Berlin, Germany [04/2020-04/2020]
Advised CEO Ulrich Hirtreiter on data science requirements for business expansion, focusing on data quality, resource allocation, and long-term vision.

Kenjo GmbH (ex: Org OS GmbH) #Recommendation — Berlin, Germany [05/2018-07/2020]
Advised CEO David Padilla on a new HR-digitized product, authored and successfully presented a grant proposal. Provided critical last-minute project support, delivering a solution within 1.5 days.

Estonian Government - Estonian Land Board #Recommendation — Tallinn, Estonia [10/2019-12/2019]
Developed a prototype evaluation engine for cadastral land units, forming the basis for Estonia's land-tax reform.

HOMEDAY GmbH #Recommendation — Berlin, Germany [10/2019-04/2020]
Supported business units with data science initiatives, including proposing and developing data-driven products. Identified and presented new business opportunities through data analysis.

Estonian Government - Estonian Land Board — Tallinn, Estonia [01/2019-01/2019]
Advised Estonia on automating land valuation for taxation, replacing manual processes.

HOMEDAY GmbH — Berlin, Germany [02/2017-09.2019]
Data Scientist & Business Analyst [08/2018-09.2019]
Enhanced business processes using data-driven insights. Proposed a unified method for modeling business processes and developed a strategic marketing solution, which was implemented by the CEO.

Data Scientist [02/2017-09.2019]
Led and delivered all data-related solutions (e.g., HOMEDAY PREISATLAS). Presented work at conferences, consistently recognized as one of the top speakers.

Technicolor — Rennes, Brittany, France [06/2014-08/2014]
Research & development in Image Processing: Technicolor submitted a patent.

USI-Università della Svizzera italiana — Lugano, Switzerland [12/2011-11/2016]
Scientific Researcher
Conducted advanced research under Prof. Michael M. Bronstein, with work published in top-tier journals and conferences. Delivered presentations to audiences of up to 200 attendees across Belgium, China, Holland, Israel, Italy, Switzerland, and the USA. Taught courses in Computer Vision and Mathematics. Google scholar: https://tinyurl.com/3rz8mjyr

EDUCATION

USI-Università della Svizzera italiana — Lugano, Switzerland [12/2011-11/2016]
PhD in Computational Science
Thesis: Spectral Methods for Multimodal Data Analysis

Technion (Israel Institute of Technology) — Haifa, Israel [09/2003-09/2013]
M.Sc., B.Sc. in Applied Mathematics

MISCELLANEOUS

Languages: Russian/C2, English/C1, Hebrew/B2-C1, Ukrainian/B2-C1, German/B2.
Hobbies: Reading, writing, organizing events, dancing, boxing, mentoring.