DR. ARTIOM A. KOVNATSKY

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Date of birth	*20.03.1984*
Location of birth	*USSR*
Location of residence	*Germany (permanent residentship)*
Citizenship	*Israel*

HIGHLIGHTS

- 8 years of experience in data science: development & leading (2.5 years)
- 12 years: startups, corporations, government, research institutes, freelance
- 15 years: teaching & presenting (awarded)
- 40+ countries visited & lived and worked across different geographies
- Python/R, Postgres/SQL, Kafka, Hadoop, FastAPI, Scikit-Learn, PyTorch/TensorFlow, CatBoost/XGBoost, HuggingFace, LLM (Langchain/OpenAI/LlamaIndex), AirFlow/MLFow, MLOps, Tableau/PowerBI; Kanban, agile development, "flat" hierarchy.

Interested in a team-lead ("hands-on") position. I prefer to lead by example.

WORK EXPERIENCE

01/2023 –	**Freelance: Data Science, Consultancy & Research**
	Data Science & Engineering, Consultancy.
	<u>10/2023 – Senior Data Scientist & Consultant at Iot-internet GmbH</u>
	- Developing data science products for clients (Skoda GmbH, etc.): business ML-based solutions based on vehicle data (*Python*, *CatBoost*, *NLP*, *Statistics*, *AirFlow*, *Docker*, *git*, *Postgres*)
	- Consultation
	Data Science & Engineering, Independent AI-Researcher.
	<u>03/2024 – Applied for a grant for two AI projects</u>
	https://prototypefund.de
	- Came up with and submitted proposals for 2 research projects
	- AI-open-source products as a planned outcome
	- Management & development (*Python*, *NLP*, *LLM*, *PyTorch*, *MLFlow*)
09/2021 – 11/2022	**Valyria Technology GmbH, Berlin & Brandenburg, Germany**
	<u>09/2021 – 11/2022 Lead Data Scientist</u>
	As a lead data scientist responsible for the data science department.

- Build from 0 & lead a decentralized team with flat hierarchy (3 people)
- Definition of vision, strategy, stack, prioritisation, development plans, tasks
- Delivered on-time

*real estate domain at that moment

03/2021 – 09/2021	**SKF Group, Remote, Germany & Israel**

<u>03/2021 – 09/2021 Data Scientist</u>
Worked as a data scientist in a small team of data scientist.
- Survival models for machines maintenance
- Schedule optimization

01/2019 – 03/2021	**Self-employment, Berlin, Germany**

<u>05/2018 – 06/2020 Data Scientist & Consultant at Kenjo GmbH</u>
Consulted the CEO, David Padilla.
- Consultation on data science and business strategy for a predictive analytics engine for HR-data
- Implementation roadmap development and a grant proposal write-up
- Successful presentation of the proposed approach to the grant committee to raise money (1.2M€)

<u>04/2020 – 04/2020 Data Scientist & Consultant at lot-internet GmbH</u>
Consulted the CEO, Ulrich Hirtreiter.
- Consultation on data science and business strategy for a new product launch – automatic real estate prices generation for PR: saved 3month time on development and suggested promising directions

<u>01/2019 – 01/2020 Data Scientist & Consultant for the Estonian Government (Maa-Amet)</u>
- Consultation & development of AI-based evaluation of cadastral land units for land-tax reform in 2021
- Implementation in Python a package for land evaluation methodologies and their comparison

02/2017 – 06/2020	**HOMEDAY GmbH in Berlin, Germany**

<u>02/2017 – 06/2020 Data Scientist</u>
Responsible for data science and business optimization at HOMEDAY.

- Data Science developer of PREISATLAS, an interactive map for real estate prices: +1500% traffic, +750% qualified leads; media coverage includes handelsblatt.com, welt.de, finance.yahoo.com
- Data Science developer of HOMEDAY-estimation package – core business tool used hundreds of times daily: AI-based automatic properties evaluation & real estate prices trends estimation
- Ideation of new business models & three presentations with two of them to the CEO and founders: the company pivoted towards one of the proposed business models (correct for 04.2020)
- Presentation of the company at conferences: two times was voted as one of the best speakers
- Consultation & development of AI-based parameters behind one of a kind mixed human-AI real estate evaluation engine: used as a conversion uplift tool

	- Ideation & development of AI-based method for call-leads ranking: +15% conversion
12/2011 – 12/2016	USI-Università della Svizzera italiana **in Lugano, Switzerland**
	<u>12/2011 – 12/2016 Researcher & Project manager</u> Research & management of scientific projects.
	- Problems from Machine Learning, Computer Vision, Computer Graphics and Image Processing fields
	- Presentations for up to 200 attendees in Belgium, China, Holland, Italy, Switzerland and the USA
	- Management of students
06/2014 – 08/2014	**Technicolor Research in Rennes, France**
	<u>Researcher</u>
	- Research & development in Image Processing field: Technicolor submitted a patent

EDUCATION

12/2011 – 11/2016	**Doctor of Philosophy in Computational Science, USI-Università della Svizzera italiana**
	Topic: „Multi-Modal Spectral Methods for Data Analysis" Supervisor: Prof. Michael Bronstein
12/2008 – 11/2013	**Master in Applied Mathematics (Ø 89,8), Technion - IIT**
	Topic: „3D Objects Retrieval"
10/2003 – 09/2008	**Bachelor of Science in Applied Mathematics (Ø 82,5), Technion - IIT**

LANGUAGE SKILLS

<u>Russian</u>: C2, <u>Englisch</u>: C1, <u>Ukrainian</u>: B2/C1, <u>Hebrew</u>: B2/C1, <u>Deutsch</u>: B2

SOFT SKILLS

Teaching & Presenting (Awarded), Conflicts Management/Arbitrage, Leadership