

Dr. Artiom Kovnatsky

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PROFESSIONAL SUMMARY

Creative Data Scientist and Business Analyst with a strong focus on uncovering hidden insights and activating data to drive strategic business decisions. Skilled in data science, advanced analytics, and business consulting, I excel at extracting value from complex and imperfect data sets. Known for my ability to discover unseen opportunities and deliver impactful solutions, even in challenging conditions. I bring a strategic mindset and innovative approach, with a proven track record of leading teams to success and managing high-stakes projects with precision and creativity. Proficient in various tools and methodologies, focusing on efficiency.

Key Skills:

- Languages & Tools: Python, R, Postgres, SQL, Scikit-Learn, PyTorch, TensorFlow, CatBoost, XGBoost, HuggingFace.
- MLOps & AI Research: Langchain, OpenAI, LlamaIndex, AirFlow, MLFlow; AWS/GCP.
- Agile Methodologies: Kanban, Flat Hierarchy Leadership.

WORK EXPERIENCE

Self-employment | Berlin, Germany

Data Science & Engineering Consultant | 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.

Lot Internet GmbH | Berlin, Germany

Senior Data Scientist & Consultant | October 2023 – July 2024

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

Valyria Technology GmbH | Berlin & Brandenburg, Germany

Lead Data Scientist | 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.

SKF Group | Remote Germany & Israel

Data Scientist | March 2021 – September 2021

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

Kenjo GmbH (ex: Org OS GmbH) | Berlin, Germany

Data Scientist & Consultant | 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.

Lot Internet GmbH | Berlin, Germany

Data Science & Engineering Consultant | April 2020 – April 2020

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

Estonian Government - Estonian Land Board | Tallinn, Estonia

Data Scientist & Consultant | 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.

HOMEDAY GmbH | Berlin, Germany

Data Scientist & Business Analyst | 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.

Technicolor | Rennes, Brittany, France

Researcher | June 2014 – August 2014

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

USI-Università della Svizzera italiana | Lugano, Switzerland

Scientific Researcher & Teacher Assistant | 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.
- “Geometric Image Processing and Computer Vision” (Master): Spring 2013, Spring 2014.
- “Calculus” (Bachelor): Fall 2011, Fall 2012.

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

LANGUAGES

- Russian: C2 • English: C1 • Ukrainian: B2/C1 • Hebrew: B2/C1 • German: B2

SOFT SKILLS

- Award-winning skills in Teaching & Presenting

INTERESTS & HOBBIES

- Reading • Writing • Organizing Events • Dancing • Boxing • Mentoring