





Dmitry Zorikhin

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A dynamic Data Scientist with related industrial experience. Initiated and managed various data science and digital transformation products across Oil and Gas (US, Russia), Steel manufacturing (UAE, India, Russia) and Financial industries (US, Malta). Portfolio: <https://dzorikhin.github.io/portfolio/>

PROFESSIONAL WORK EXPERIENCE

Industrial Data Scientist

Jan 2022 – present

Emirates Steel Arkan, Digital Centre of Excellence – Metallurgy, Abu Dhabi, UAE

- Leading the group of 5 Data Scientists
- Managing delivery of digital products through partners
- Proposed over 30 digital and data science products for steel manufacturing assets
- Developed Digital Product Delivery Framework
- Created 2 Value Stream Maps for Direct Reduction Plant and Steel Making Plant

Tech stack: Python | Classical ML | Timeseries analysis | SQL | Git | SAS | Azure

Senior Associate | Data Scientist

May 2021 – Dec 2021

PwC Malta, Digital Transformation – Financial Services, Malta

- Developed and automated financial statements data extraction tool, processed over 10,000 documents
- Initiated 3 data science projects within Assurance and Tax departments
- Coached and mentored junior staff

Tech stack: Python | Classical ML | Timeseries analysis | SQL | Power BI

Industrial Data Scientist

July 2020 – March 2021

NLMK Group, Digital Transformation – Metallurgy, Yekaterinburg, Russia

- Managed 4 digital products at MVP/production stage with \$400,000/year overall economic benefit
- Led the group of 6 Data Science contractors
- Initiated 2 innovative projects for production upgrade (laser cutting technology, hydrostatic pressure monitoring)

Tech stack: Python | Classical ML | CNN | RNN | Timeseries analysis | SQL | GitLab | Hadoop | Spark | Docker

Data Scientist (remote)

June 2019 – July 2020

Advisor Energy, Digital Transformation – Oil & Gas, Houston, USA / Yekaterinburg, Russia

- Developed data-driven forecasting model for shale oil & gas production with 95% accuracy
- Prepared 8 US oil & gas shale basin reports covering over 80 E&P assets using quarterly updated data
- Data-driven Net Asset Value models | Type/Decline curves analytics | Reserves | Completions

Tech stack: Python | JavaScript | Classical ML | RNN | Timeseries analysis | AWS | SQL | Power BI | Git | Docker

Lead Data Analyst

March 2019 – June 2019

SKB Kontur, Business Analytics – Software Development, Yekaterinburg, Russia

- Saved \$40,000/month as the result of notification services analysis of lead company's product Kontur.Extern

Tech stack: SQL | GitLab | Python | Classical ML

Completion and Well Intervention Engineer

Nov 2015 – March 2019

Sakhalin Energy Investment Company Ltd. (Shell and Gazprom JV) – Oil & Gas, Yuzhno-Sakhalinsk, Russia

- Saved \$2mln/well by optimizing well completion timing execution using engineering data model database
- Initiated and got financial approval for joint cloud-based data project for Wells and Subsurface departments
- Reduced CAPEX by \$50,000/well optimizing completion string for workover projects

Associate Scientist | Engineer

Nov 2009 – Aug 2014

Ural Federal University | Labfer Ltd. – Science (Physics), Yekaterinburg, Russia

- Won and led own grant for scientific research with total amount of funds over \$13,000
- Developed ferroelectric substrates bonding technology for engineering project execution worth \$260,000
- Patent owner "Hysteresis-free High-Temperature Precise Bimorph Actuators" as part of project team

EDUCATION

MSc Offshore Oil and Gas Engineering

2014 – 2015

Diploma with Distinction, Robert Gordon University, Aberdeen, UK

Postgraduate studies in the Physics of Condensed Matter

2013 – 2014

Physics Department, Ural Federal University, Yekaterinburg, Russia

MSc in Innovations

2011 – 2013

Diploma with Distinction, Physics Department, Ural Federal University, Yekaterinburg, Russia

BSc of Engineering and Technology in Innovations

2007 – 2011

Physics Department, Ural Federal University, Yekaterinburg, Russia

SKILLS, ADDITIONAL ACHIEVEMENTS AND RELEVANT CERTIFICATES

- Google Cloud Big Data and Machine Learning Fundamentals
- Practice-oriented Machine Learning Zoomcamp course