

Andrew Chauzov

Data Scientist & Machine Learning Engineer

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Serbia/EU

[LinkedIn](#)

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EXPERIENCE

CRED | London, UK

November 2020 – October 2023

Data Scientist & Machine Learning Engineer

AI & data-driven strategies to understand and predict consumers, boosting revenue and profitability

Drove the development of over 25 models and core products from ideation to deployment, impacting 40% of the company's offerings and boosting the revenue of core business segments.

As a nearly founding member of the DS department, advised on shaping technology and data strategies, collaborating across departments and with management on technical and product topics.

- Implemented GenAI for enhancing data mining of ~10M social media accounts, boosting database and analytical capabilities by 10%, and enriching client reports
- Developed multimodal models with LLMs that recovered 90% of missing data (450M data points), improving insight generation capabilities by 10% and boosting the product's market competitiveness
- Created scalable matching models serving over 100k companies and 400M customers, using advanced statistical methods to cut client acquisition costs and facilitate new client attraction
- Designed over 10 core sports analytical models for a scouting app, securing adoption by scouts and football clubs, incorporating feedback from industry experts, and influencing key business decisions
- Led the refactoring of 5 critical data pipelines, resolving key data inconsistencies, doubling the accuracy and reliability of foundational predictive models to boost the decision-making process

Multiple Clients | Remote

January 2017 – July 2022

February 2024 - Present

Data Scientist & Machine Learning Engineer (Consultant)

AI/ML outsourcing/consulting companies

Partnered with startups on advanced machine learning solutions, including predictive modeling and NLP, boosting operational efficiency, product offerings, revenue, and launching over 10 products from scratch.

- Improved a healthcare app with a speech anomaly detection algorithm, achieving 70-95% accuracy in identifying over 40 defects; devised custom algorithms for precise analysis of small, noisy datasets
- Refactored a horse racing betting system to double the performance and boost revenue by 2%, delivering real-time, low-latency suggestions while handling high-frequency data changes
- Developed a churn model that identified over 10 at-risk employees, addressing high senior-level turnover, enhancing retention and morale, and reducing recruitment costs

Energy & Marketing Sectors | Moscow, Russia

July 2011 – December 2016

Data Analyst (Junior/Middle/Senior)

Power energy market regulator; global advertising agency (client: MTS, TOP3 telecom company)

Built data processing and modeling solutions that directly boosted revenue by 2.5-10% within a year for data-driven initiatives; after promotion, led external projects enhancing client decision-making.

SKILLS

NLP: LLM, Prompt Engineering, Fine-Tuning, LangChain, OpenAI.

MLOps: neptune.ai, MLflow, W&B, Drift Detection, Docker, GCP (Vertex AI), AWS.

ML: PyTorch, TensorFlow, Optuna, UMAP, LightGBM, scikit-learn, SHAP.

DS: Python, Time Series, Graph Theory.

Data: Statistics, SciPy, Plotly, EDA, pandas, NumPy.

Databases: BigQuery, MySQL, PL/SQL, Redis.

Other: Dashboards, Algorithms Development.

EDUCATION

Peoples' Friendship University of Russia

2011

M.Sc. - Applied Mathematics & Computer Science