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Education

- **HSE University**
  Informatics and Computer Engineering *2020 – 2024*
- **HSE University**
  Introduction to applied analytics *2021 – 2023*
- **Tinkoff Generation**
  Machine Learning course *January 2022 – May 2022*
- **FPMI MIPT**
  Deep Learning School *2020 – 2021*

Experience

- **X5 Tech** August 2023 – present
  Data Scientist, CVM team / Ad-hoc team
  - **Post-analytics:** Calculation of the effect from promotion among loyalty club participants. Analysis of upcoming promotions: forecast of increased performance from the potential launch of a promotion.
  - **Design A/B tests:** Different configurations: online/offline stores, loyal/disloyal customers, individual restrictions on stores, on customers, on territory. Selection of a pilot (treatment) group, setting the required periods, discussion of metrics and calculate MDE.
  - **Evaluation A/B tests:** Calculation of the effect for each of the metrics selected at the experimental design stage using Causal Inference methods (PSW). Using also synthetic data for validation.
  - **Store clusterizer:** Part-time team project. Clustering of retail chain stores based on various parameters.
- **Sber** October 2022 – March 2023
  Data Scientist Intern, Risk Modeling&Research department
  - **Outflow of funds from deposits:** A model for predicting the full or partial outflow of funds from deposits of individuals. The model is divided depending on the type of client (mass, privileged) and the type of deposit (replenished, managed).
  - **Current account balances:** A model for predicting current account balances in the entire banking sector of Russia (and specifically Sber).
  - **Off-balance model:** Development of a model that predicts the percentage of the total approved loan amount (mortgage or consumer loan) that will be taken by an individual in a certain period of time after bank approval.

Projects

- **Telegram Bot with AI**: A simple bot with asynchronous functions on webhook. It processes received photos (user sends 2 photos: 1st - style, 2nd - content), NN (with AdaIN approach) transferring style and user gets result images.

Courses

- **Bioinformatics Institute**: Introduction to Data Science and Machine Learning
- **Bioinformatics Institute**: Fundamentals of statistics

Programming Skills

- **Languages**: Python, C++, SQL
- **ML stack**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Statsmodels, XGBoost, CatBoost
- **DL stack**: OpenCV, Pytorch, Albumentations
- **Other**: Git, Spark(pySpark)