DANIEL SPIRIDONOV

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Summary

Machine Learning Engineer specializing in classical ML and NLP. I build production systems and automate ML workflows. 4th year Cybersecurity student at HSE.

Work Experience

RT Information Security — Machine Learning Engineer *December 2024 — present*

- Developed an automated classification system for false positive alerts in information security events with rule-based filtering
- Developed an automated rule generation system for filtering information security incidents using LLM and regular expressions
- Refactored the automated incident correlation system for information security: redesigned monolith into modular architecture with independent components
- Developed a monitoring and anomaly detection system for information security events and incidents: identifying drops, short-term spikes, and long-term trends
- Developed internal libraries for building ML data processing pipelines and constructing ensembles from modules with different training cycles
- Developed an ETL system for automated collection and normalization of data from non-standardized JSON sources
- Implemented CI/CD for ML services: unified deployment format and automated application deployment
- Implemented code quality standards: linters, static analyzers, docstrings for unified development style across the team
- Standardized DAG development in Airflow for ML pipelines
- Implemented MinIO for versioning datasets and model artifacts

Technical Skills

Programming: Python (primary), C++, SQL

ML/DL: scikit-learn, CatBoost, XGBoost, PyTorch, vLLM

Data Processing: pandas, numpy

MLOps: GitLab CI/CD, Linux, Docker, docker-compose

Web Frameworks: FastAPI

Infrastructure: Airflow, MLflow, Langfuse, MinIO

Visualization: Grafana, matplotlib, seaborn, plotly

Development Tools: ruff, mypy, uv, git

Education

HSE University, Specialist Degree
Computer and Information Systems Security
5-year integrated program (Bachelor's + Master's equivalent)
2022 — 2028 (expected)