

MATÚŠ KOŠÍK | RESUME

»»» PROFILE

Machine Learning Developer, Data Scientist, Data Engineer, Data Analyst

I develop End-to-End Machine Learning solutions, perform statistical analysis and econometric modelling. I engage in every step of the Machine Learning lifecycle, e.g. business understanding, data wrangling, model training, deployment, etc. I am able to work without close supervision and collaborate with a team. I have a Master's degree in Applied Mathematics.

»»» EXPERIENCE

Machine Learning Developer

Softec 2018 / 04 - now

- » Developed ML products in various domains such as Fintech, Healthcare, IoT sensors
- » Deployed services on the DC/OS cluster using Docker and Jenkins for CI/CD
- » Gained knowledge of Microservice architecture, Software development, DevOps
- » Part of company R&D initiatives in the field of Artificial Intelligence
- » Actively communicated with clients whether to discuss design or present solution
- » Trained junior co-workers and coordinated in-house ML education and workshops

Investment Analyst

PSLSP Insurance 2017 - 2018

- » Asset Risk management analyst at a subsidiary of Vienna Insurance Group

»»» TOP PROJECTS

Detection of invalidated ID cards on photo

Softec 2021 / 01 - now

- » Trained TensorFlow segmentation model on 3D synthetic data, Designed algorithm using OpenCV to validate correct ID card shape, Implemented gRPC API service

Calibration of air quality IoT sensors

Softec 2020 / 01 - now

- » Designed calibration process for multiple sensors, Trained regression models to improve sensor precision, Implemented services (Grafana, TimescaleDB, Flask) for monitoring

Prediction of cancer incidence

Softec 2019 / 09 - 2019 / 12

- » Researched academic papers, Implemented Age Period Cohort and ARMA models in R, Enhanced accuracy with feature engineering, Visualized results in a dashboard

Spoof detection

Softec 2018 / 09 - 2019 / 04

- » Researched and implemented various methods to check liveness from single photo
- » Trained 3 models using Keras, OpenCV, XGBoost and created dockerized flask REST API

Banking process mining

Softec 2018 / 07 - 2018 / 12

- » Extensively used PySpark for data engineering, Trained LSTM neural network

»»» EDUCATION

Master's degree in Applied Mathematics

Comenius University 2015 - 2017

- » Field of study: Economic-financial mathematics and modelling
- » Main subjects: Computer Science, Optimization, Numerical Methods, Econometrics
- » Master thesis: Multifactor models of interest rates (written in english, pdf)

Scholar Internship abroad

University of Aberdeen 2015 / 08

- » Numerical simulation of cellular chemical processes in C

Bachelor's degree in Applied Mathematics

Comenius University 2012 - 2015

- » Field of study: Economic-financial mathematics
- » Main subjects: Statistics, Calculus, Algebra, Nonlinear Programming



CONTACT

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in Matus Kosik

LANGUAGES

🏠 Slovak ★★★★★★

💬 English ★★★★★★

💬 German ★★☆☆☆☆

TECHNOLOGIES

🐍 Python 📊 R 📐 Matlab 📐 Scala

🐳 Docker 🐳 docker-compose

📄 PySpark 🗄 PostgreSQL 🗄 HDFS

☁ DC/OS 🏠 Jenkins 📦 git 🏠 Gitlab

🐍 Flask 📊 Dash 📐 gRPC

📄 Tensorflow 📄 Keras 📄 Gensim NLP

📄 OpenCV 📄 XGBoost 📄 Statsmodels

📄 Pandas 📄 Numpy 📄 Scikit-learn

📄 Scipy 📄 CausalML 📄 Geopandas

SOFT SKILLS

Quick Learner Independent

Good Presentation Skills

Analytical thinking

OPERATING SYSTEMS



ACTIVITIES

