Erich Ganz

M.Sc. Applied Mathematics and Informatics
Data Scientist & Creative Coder

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Hamburg, Germany
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18.04.1996 in Guayaquil/Ecuador

Work Experience

Accenture, Moscow & Frankfurt
01/2022 – Current

Junior Data Scientist (Started as internship. Currently fulltime.)
Solution Design for DS applications with NVIDIA Jetson. Implementation of CV models like DexiNed. Dataset creation for object tracking algorithms like YOLO.

Alfa Bank, Moscow, Russia
10/2021 – 12/2021

Junior Data Scientist (Internship)
Collect data from the database by using SQL-queries. Analyse and transform data using Python. Develop and improve Credit Scoring models.

Latest Projects

Work Project
Current

Computer Vision Application for Process Control
Task: Find items with a critically large size for the further process. Approach: Find edges of these items with edge-detection NNs. Construct convex hulls around the edges and calculate the size of the convex hulls. Conclusion: The application automatically recognizes critically large items. However, due to the spatial circumstances, the exact size might be measured incorrectly.

Master Thesis
05/2022

Web-Search Traffic as Alternative Data for Startup Valuation
Objective: Startups leak reliable data for a traditional valuation. Therefore, identify alternative data for valuation of startups. Approach: Identify common dynamics in web-search traffic and valuation points of startups. Conclusion: Outbreaks in web-search traffic correlate with funding and follow dynamics, which are in line with valuation theory. Web-search traffic is legit alternative data.

Hobby Project
09/2021

Web App for Classification of Handwritten Numbers
Objective: Build a web app that recognizes hand-written numbers. Goal: Apply theoretical knowledge. Understand how to build a web app and data pipeline for NNs. Conclusion: The environment in which an AI-powered application lives has various implications on the underlying ML model. A smooth data pipeline requires as much attention and time as the ML model itself. Loading time 15sec. Open

Hackathon
10/2021

Team Leader for Development of a Credit Default Prediction Model
Task: Build a model for credit default prediction. Approach: Find state-of-the-art industrial solutions. Find relevant research in the given field. Build the model based on this knowledge to make the results theoretically interpretable. Conclusion: Our model displayed ROC: 0.68 and was graded 10/10. We ended up on the third place of the leaderboard and received an internship opportunity.

Academic Education

Higher School of Economics Moscow, Russia
09/2020 – 07/2022

M.Sc. in Applied Mathematics & Informatics - Curriculum
Teaching Language: English. Favorite Courses: Data Visualization, Predictive Modelling, Applied Machine Learning, Neural Networks, Big Data Architecture.

Maastricht University, Maastricht, Netherlands
09/2016 – 07/2019

B.Sc. in Mathematical Economics - Curriculum
Teaching Language: English. Favorite Courses: Analysis I & II, Linear Algebra, Probability Theory, Financial Modelling, Econometric Methods.

Languages

Native: German, Spanish Advanced: English, Russian