

Krystian Figiel

Résumé

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Education

- 2016 - 2020 **Bachelor of Engineering, Applied Computer Science**, University of Silesia, Katowice
Engineer's Thesis: Machine Learning methods for the clusterization in the NA61/SHINE experiment
- 2017 - 2019 **Master of Arts, Cello**, Academy of Music, Katowice

Experience

- July 2021 - **Data Engineer**, UBS Buissness Solutions, Cracow
curr. Designing and automating Airflow frameworks in cooperation with data analysts, constructing data quality checks
- Mar 2020 - **Technical Student**, European Organisation for Nuclear Research
Feb 2021 CERN, Geneva
Automating migration of data in Python between databases using APIs
- Aug - Sep 2019 **Intern**, *jlabs software specialists*, Krakow
Data engineering and implementation of machine learning system, work with AGILE methodology, public presentation covering the basics of machine learning and the project
- Aug 2019 - **IT director**, KUEK, Cracow
Mar 2020 Migration of user data from old platform to a new one, general IT support and maintenance
- Nov - Dec 2018 **Media Information Desk Clerk**, COP24, Katowice
Pursuit and distribution of informations, work in a small team

Computer skills

- Operating systems Linux, Windows - administratative and maintenance skills
- Languages Python (*PySpark, pandas, NumPy, scipy, keras, TensorFlow, matplotlib, pygame, transmission, PIL*), SparkSQL, C, bash, L^AT_EX
- IDE Google Colab, jupyter, vim
- Other Experienced with git, ReST & SOAP API, familiarities with Raspberry Pi, proficiency with Microsoft Office

Courses

- Sep 2022 **Courses on kaggle.com**
Feature engineering - mutual information, creating and evaluating features, k-means clustering, PCA, encoding
Intro to machine learning - data exploration, model validation, under- and overfitting
Intermediate machine learning - missing values, pipelines, cross-validation, extreme gradient boost, data leakage
Time series - Linear regression, trend, seasonality, hybrid models
- Nov - Dec 2019 **The ultimate hands-on Hadoop**
Certificate Overview of HDFS and MapReduce, data analysis with Spark, storage and analysis with Sqoop, Hive, MySQL, real-time data streaming with Kafka, Spark
- Nov - Dec 2019 **Deep learning for Python and Keras**
Certificate Overview of keras and other data-analysis-related libraries, applying machine learning techniques to various problems, usage of convolutional and recurrent layers, transfer learning
- Nov 2019 **Spark and Python for Big Data with PySpark**
Certificate Introduction to PySpark, overview of Spark DataFrame syntax, working with SparmMLlib, Spark Streaming and SparkSQL
- Mar - May 2019 **Corporate Readiness Certificate - Big Data, by IBM**
Certificate Basics of data analysis, introduction to R & data science, social media analysis, big data in finances, introduction to git and quantum computing

Languages

- English - advanced (C1)
French - intermediate low (A2)

Interests & hobbies

- AI, machine learning algorithms, artificial life simulations
- Physics, quantum physics, maths
- Music, science fiction and fantasy literature, computer games
- Traveling