Krystian Figiel

Résumé

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Facebook *LinkedIn*
GitHub *kaggle*

Education

2016 - 2020 **Bachelor of Engineering**, *Applied Computer Science*, University of Silezia, 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 - curr. **Data Engineer**, *UBS Buissness Solutions*, Cracow
Designing and automating Airflow frameworks in cooperation with data analysts, constructing data quality checks

Mar 2020 - Feb 2021 **Technical Student**, *European Organisation for Nuclear Research 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 - Mar 2020 **IT director**, *KUEK*, Cracow
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, LaTeX

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 featues, k-means clustering, PCA, encoding
Intro to machine learning - data exploration, model validation, under- and overfitting
Intermediate machine learning - missing values, pipelines, cross-validaton, extreme gradient boost, data leakage

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