Krystian Figiel

Résumé

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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 data flows in cooperation with data analysts, data quality assurance
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 (*transmission, PySpark, pandas, NumPy, scipy, keras, TensorFlow, matplotlib, pygame, PIL*), C, R, bash, LaTeX
IDE	Google Colab, jupyter
Other	Experienced with git, ReST & SOAP API, familiarities with Raspberry Pi, proficiency with Microsoft Office

Courses

Mar - May 2019
Certificate
Corporate Readiness Certificate - Big Data, by IBM.
Basics of data analysis, introduction to R & data science, social media analysis, big data in finances, introduction to git and quantum computing

Nov 2019
Certificate
Spark and Python for Big Data with PySpark.
Introduction to PySpark, overview of Spark DataFrame syntax, working with SparmMLlib, Spark Streaming and SparkSQL

Nov - Dec 2019
Certificate
Deep learning for Python and Keras.
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 - Dec 2019
Certificate
The ultimate hands-on Hadoop.
Overview of HDFS and MapReduce, data analysis with Pig and Spark, storage and analysis with Sqoop, Hive, MySQL, HBase, Cassandra, MongoDB, Drill, Phoenix, and Presto, real-time data streaming with Kafka, Spark

Languages

English - advanced (C1)

French - intermediate low (A2)

Interests & hobbies

→ AI, machine learning algorithms, big data

→ Physics, quantum physics, maths, biology

→ Music, science fiction and fantasy literature

→ Traveling