

# 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

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## 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

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## 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<sup>A</sup>T<sub>E</sub>X
- IDE Google Colab, jupyter, vim
- Other Experienced with git, ReST & SOAP API, familiarities with Raspberry Pi, proficiency with Microsoft Office

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## Courses

- 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
- 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
- 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 - Dec 2019 **The ultimate hands-on Hadoop**  
Certificate 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

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## Languages

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

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## Interests & hobbies

- AI, machine learning algorithms, big data
- Physics, quantum physics, maths
- Music, science fiction and fantasy literature, computer games
- Traveling