

# Krystian Figiel

## Résumé

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## Education

- 2020 - 2022 **Master of computer science**, *University of Technology*, Cracow.
- 2016 - 2020 **Engineer of computer science**, *University of Silesia*, Katowice.  
*Engineer's Thesis: Machine Learning methods for the clusterization in the NA61/SHINE experiment*
- 2017 - 2019 **Master of cello**, *Academy of Music*, Katowice.

## Experience

- 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, sum up my experience in form of a presentation
- 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 - administrative and maintenance skills
- Languages Python (*transmission*, *PySpark*, *pandas*, *NumPy*, *scipy*, *keras*, *TensorFlow*, *matplotlib*, *pygame*, *PIL*), C, R, bash, L<sup>A</sup>T<sub>E</sub>X
- IDE Google Colab, jupyter
- Other Experienced with git, ReST & SOAP API, familiarities with Raspberry Pi, proficiency with Microsoft Office

## 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, biology
- Music, science fiction and fantasy literature
- Traveling