

# Mikołaj Jaworski

DATA SCIENTIST & ENGINEER · MASTER IN ADVANCED ANALYTICS

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## Skills

<b>Toolkit</b>	Python · SQL · PowerBI · R · Julia · git · Excel · SAS
<b>Methods</b>	Machine Learning · Feature Engineering · Parallel Computing · Statistics · Visualizations · Simulations · Optimizations · MLOps
<b>Cloud</b>	Azure (DataFactory, MachineLearning, DurableFunctions) · Google Cloud (AI Platform, Dataflow, BigQuery, Dataproc, Composer)

## Experience

### LOT Polish Airlines · Operations Research & Analytics

Warsaw, Poland

DATA SCIENTIST

Nov. 2019 - PRESENT

- Objectives include development and deployment of end-to-end (from ETL to reporting) ML systems as well as ad-hoc analyses using big data.
- Solutions involve shallow or deep learning, statistical simulations, metaheuristic optimization, visualization and data engineering methods.
- Productization of the models & data pipelines is being achieved through Azure Cloud Services.
- Research is based on available papers, but also novel approaches to problems are being actively explored.

### EY · European Actuarial Services

Warsaw, Poland

DATA ANALYST

Feb. 2019 - Nov. 2019

- Developed backend computation and reporting engine for Capital Requirement Projection Tool in R.
- Tested performance of Prophet Automation Tool using SQL and VBA.
- Prepared and examined insurance pricing investigation using R and VBA.
- Provided actuarial support to audit teams using Excel.

### Accenture · Insurance Advisory

Warsaw, Poland

DATA SCIENCE INTERN

Oct. 2018 - Dec. 2018

- Prototyped fraud detecting machine learning model using adaptive boosting methods in Python.
- Performed data extraction for reporting purposes using SQL.
- Segmented and tagged data for computer vision tasks.

### IBM · Global Business Services

Warsaw, Poland

OPERATIONS ANALYST

Sep. 2016 - Oct. 2018

- Performed controlling and forecasting on potential/ongoing projects.
- Handled day-to-day operational and project management tasks.
- Ensured data quality and accuracy.

## Education

### SGH Warsaw School of Economics

Warsaw, Poland

DOUBLE M.S. IN ADVANCED ANALYTICS - BIG DATA & QUANTITATIVE METHODS AND INFORMATION SYSTEMS

Oct. 2017 - Sep. 2020

- 1st thesis: "Histopathological Image Classification for Cancer Detection using Convolutional Neural Networks"
- 2nd thesis: "Airline Network Performance Evaluation using Multi-Agent Simulation Model"

### Hanze University of Applied Sciences

Groningen, Netherlands

B.S. IN INTERNATIONAL BUSINESS

Sep. 2015 - Feb. 2016

- Erasmus Exchange Programme

### SGH Warsaw School of Economics

Warsaw, Poland

B.S. IN QUANTITATIVE METHODS AND INFORMATION SYSTEMS

Oct. 2014 - Jul. 2017

- Thesis: "Comparative Analysis of Cognitive Services Available in the Cloud"

## Certificates

### Google Cloud & Qwiklabs

Online

GOOGLE CLOUD DATA ENGINEER

Nov. 2020 - Dec. 2020

Practiced fundamentals of data engineering on GCP.

### DataCamp

Online

DATA SCIENTIST WITH PYTHON

Oct. 2017 - Sep. 2018

Covered fundamentals of data science using Python.