

Jan Beníšek

DATA SCIENCE · STATISTICS · BUSINESS INTELLIGENCE

Brussels, Belgium

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Education

Statistics, Msc.

KU LEUVEN, FACULTY OF SCIENCE

Leuven, Belgium

02/2016 - 09/2019

- Two-years program, specialization in Business Statistics. Part-time. **Cum Laude**
- **Master thesis:** Software for automated diagnosis of ovarian cancer from ultrasound images.
 - With cooperation of hospital in Leuven, I proposed U-Net model in Keras for automated lesion segmentation.

Experience

Data Scientist Consultant

PYTHON PREDICTIONS

Brussels, Belgium

10/2017 - today

- **Data Science:** Responsible for technical solution of projects across **various domains** (health, retail, telco, banking, insurance), such as:
 - **Predictive modelling:** Extrapolating **survey** results for better personalization, improved early **detection of declining customers**, enhanced performance and speed of models for **personalized TV adds**, designed multiple large scale **recommender systems**, customer **LTV estimation**, models for credit scoring, **LSTM models** for epilepsy prediction, **image recognition** for tire manufacturer.
 - **Programming:** Model **industrialization** and large scale **data processing** on MS Azure and Spark, **scraped** tens of thousand CV and CL to optimize hiring, programmed tools for **automated model building**, software for automated custom profiling.
 - **Others:** Technical screening of new applicants, inspiring **modern data science** approaches and activities, technical **coaching**.
- **Project Management:** **Defining** scope of projects, **supporting** junior Data Scientists, making sure projects are **on time** and budget, aligning with business side and stakeholders, technical **support** during sales pitches, drafting contracts, participation in setting up analytical **road maps and strategy**.
- **Communication:** Communicating **clearly and efficiently** to people with different backgrounds, **presenting** technical solutions to higher management, **foster cooperation** to identify and develop new opportunities.

Data Scientist

TEST-ACHATS

Brussels, Belgium

09/2015 - 10/2017

- **Co-founder and tech. leader** of Advanced Analytics activities in multiple departments and branches in other countries. Responsible for technical solution and methodology. Participation in **hiring** of new analysts.
- Designed **churn prediction** model for better customer retention. Implemented data-driven **segmentation** to improve targeting and developed **insights** into behaviour of customers to increase loyalty.
- Close cooperation with stakeholders, higher management, DWH team, business analysts and reporting specialists.

Business Intelligence Specialist

TEST-ACHATS

Brussels, Belgium

09/2014 - 09/2015

- One-year internship. **Data analysis** and visualization to support business decisions.
- Responsible for technical solution of requests - SQL and MS Excel **development**. Increased productivity with newly developed tools.
- Cooperation with DWH team - monitoring of data quality, participating in adding new facts and dimensions.

Data Analyst

ČESKÁ SPOŘITELNA

Prague, Czech Republic

12/2013 - 08/2014

- Helped with design of new **reporting** system. Responsible for technical solution. Fixed-term contract.
- Regular and ad-hoc reports and **analysis** for management and branches. Improved system for faster remuneration for salesmen.

Skills

Languages	English: Full proficiency (IELTS certification: band 7) French: limited working proficiency Czech & Slovak: Native
Statistics	Linear models , Multivariate Techniques, Time Series, Survival Analysis , Sampling and Survey methodology, Bayesian Statistics, SEM, Optimization.
Machine Learning	Supervised and unsupervised learning, dimensionality reduction, model selection, neural networks (Keras, Tensorflow) , anomaly detection, recommender systems , NLP, Computer Vision , web scraping.
Programming	Proficient in Python (SciPy stack) and SQL . Comfortable with R , PySpark , SAS, unix and versioning systems. Familiar with PL/SQL, T-SQL and matlab.
Data storage	Hadoop, Spark and MS Azure , AWS. Oracle, MS SQL Server, DB design, ETL and Dimensional Modelling. Familiar with NoSQL databases.