Michal MRÁZEK

PERSONAL DATA

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WORK EXPERIENCE

JUL 2021 - PRESENT	Machine Learning Engineer at **Avast**, Brno, CZ

- Developing a ML pipeline tool based on GCP Vertex-AI
- Maintaining and deploying machine learning pipelines
- Transfering existing on-premise infrastructure to GCP

JUL 2019 - JUN 2021	Data Engineer at **Kiwi.com**, Brno, CZ

- Developing custom ETL tool based on Apache Airflow
- Data transfers between various data sources (Postgres, BigQuery, GCS, ElasticSearch, web scrapping, etc.)

MAR 2018 - AUG 2018	Data Analyst Intern at **Bosch Center for Artificial Intelligence**, Sunnyvale (CA), USA

- Improved chi squared test using Monte Carlo Simulation in Spark
- Developing of general data analytic platform
- Visualization of manufacturing data in Tableau

JULY 2017 - SEPT 2017	Junior Data Scientist at **Robert Bosch GmbH**, Bamberg, DE

- Feature selection for finding weak spots in production line
- Implemented solutions with conditional mutual information and elastic net

EDUCATION

2016 - 2019	**Mathematical Engineering** Master's degree, thesis in Data mining Brno University of Technology, Brno, Czech Republic
2016 - 2017	**Engineering Mathematics and Computational Science** Exchange student Chalmers University of Technology, Gothenburg, Sweden
2013 - 2016	**Mathematical Engineering** Bachelor's degree Brno University of Technology, Brno, Czech Republic

SKILLS

Software development:	Python, R, SQL (PostgreSQL, BigQuery), Apache Airflow, Apache Spark, Docker, Kubernetes, Terraform Google Cloud Platform and basics of AWS
Others:	Machine Learning and Data Vizualization