Kamil Moszczyc

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location: Wrocław
github: github.com/KMoszczyc

SKILLS

- Experience with machine learning algorithms, model optimization and validation
- Familiarity with data analysis, data pre-processing, data cleaning
- Experience with Python language
- Experience with object-oriented programming and design patterns
- Basic knowledge of Docker, Kubernetes
- **Languages:** Python, C#, Java, JS, SQL
- **Databases:** MySQL, MS SQL
- **OS:** Windows, Linux
- **Version Control:** Gitlab, Git
- **Libraries:** Pandas, NumPy, Tensorflow, Keras, Scikit-Learn, Matplotlib, OpenCV, Flask
- **Other:** Unity, Android, Jupyter Notebook, Docker

WORK EXPERIENCE

SOFTWARE DEVELOPER in Unity 3D C# Internship – Laparo Medical Simulators / Wroclaw **– Jul 2020 – Sep 2020**
- Designed and developed VR game for laparoscopic cholecystectomy with real-time soft body simulation via Position Based Dynamics in Unity Game Engine in C#.
- Used DOTS with focus on using Jobs System for multithreaded programming.
- Agile software development according to SCRUM framework.
- Designed and implemented tests.

Data Analytics Trainee – NTT DATA Business Solutions / Wroclaw **– Sep 2021 - present**
- Preprocessed and analyzed tabular data (Python, Pandas)
- Performed Time-Series prediction with ML models such as LightGBM
- Performed complex SQL queries in Dremio (SQL Data Lakehouse)
- Created dashboards in Apache Superset
- Configured 3-node on-premise Kubernetes cluster with MicroK8s and deployed Superset, Dremio, Minio on the cluster

EDUCATION

WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY – Wroclaw, Poland – **Feb 2021 – present**
- Master's degree in Computer Science

WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY – Wroclaw, Poland – **Oct 2017 – Jan 2021**
- Bachelor's degree in Computer Science | Cumulative GPA: 4.4

PROJECTS

- Android application that detects obstacles for blind people with OpenCV as part of my engineering thesis.
- Text sentiment predictor trained on IMDB dataset + positive/negative words datasets with a convolutional neural network
- Rain in Australia dataset – data analysis and rain prediction with sklearn
- Discord music bot written in JS, deployed on Heroku
- Prison Database – data modeling, filling database with custom data via Python script, implementing example SQL queries (MySQL)
- Evolutionary training of neural networks with genetic algorithms to steer a 2D car or play Flappy Birds

For more projects visit my github page: github.com/KMoszczyc

LANGUAGES

English
Advanced

Polish
Native

German
Beginner