Damian Brzoza

DATA SCIENTIST / ML ENGINEER

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ABOUT ME

Graduated individual course of study, which combines elements of Data Science with Mechatronics, at the Wroclaw University of Technology. Co-founder of the best science club in Poland ("Robocik"), which focus on development of autonomous underwater vehicles I have interested in Machine Learning and Data Science for 2 years. In my free time, I like play football and hike.

SKILLS

Main:

- **Good programming skills in Python:** pandas, numpy , SQLAlchemy
- **Good knowledge of ML and CV algorithms :** scikit-learn, Tensorflow, Keras, openCV
- **Data visualization skill:** bokeh, matplotlib, seaborn

Others:

- Basics: C, C++, Java, MATLAB, R, Scala
- Knowledge of: Shell, SQL, Spark, Git
- English B2, German A1

Soft skills:

- Management, public speaking, teamwork, communicative, creative thinking

EXPERIENCE

Machine Learning Specialist *Science Club "Robocik" 09.2018 – 08.2019*

- Underwater object detection using synthetic data to build a model. (Master thesis)

Project Coordinator *REBBMANN 1.07.2017 – 1.10.2017*

- Management of a six-person team, supervision over the procurement and finances of projects.

CFO *Science Club "Robocik" 12.2016 – 09.2018*

- Conducting many scientific projects in cooperation with other research centers (NCBR, AWF, UAM) and state entities (Marshal's Office, MPiT) creating publications, participating in conferences. Twice participation in the international underwater robot competition "Robosub" as the best European team.

Own projects:

- Optimization of the crossbeam using FEM provided by Abaqus scripts and genetic algorithm.
- Neural Network designed in the DIGITS environment for image recognition.
- Road signs detection using YOLO implemented with Tensorflow.
- CNN classifier of three audio types. (Kaggle competition)
- Recurrent neural networks (LSTM) in Part-Of-Speech Tagging (Kaggle competition)
- MEGA (Make Education Great Again) – project created as part of Hackathon #OtwarteDane. Platform for students facilitating the selection of high school. Featured by the jury: http://tiny.cc/jd02bz
- Other projects can be found on the Github platform.

EDUCATION

WUST – Master's Degree *2018-2019* **Mechatronics – Graduated**

Individual course of study, which combines elements of Data Science with Mechatronics

WUST – Bachelor's Degree Computer Science – *2016-2018*

Abandoned due to obtaining an individual course of study and activity in a science club.

WUST – Bachelor's Degree *2014-2018* **Control Engineering – Graduated**

Intensive activity in the scientific club, rector's scholarship for the best students.