



KRYSTIAN PLACKOWSKI

Hello! I am Krystian Plackowski. I'm a self-learning Data Scientist with C++ background and a lot of ideas to implement. I'm constantly attending new courses and looking for some place to fulfill myself. My programming experience started in 2011 when my main language was C++. In 2016 I learned python, which I greatly expanded in 2019.



<https://github.com/KrystianPlackowski>



<https://www.spoj.com/users/bkrystian>

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COURSES TAKEN

edX: Python for Data Science (UCSanDiego)

Introduction to data science with pandas and scikit-learn.

edX: Mashine Learning Fundamentals
(UCSanDiego)

Introduction to various classification methods on implementation side.

edX: Deep Learning Fundamentals with Keras
(IBM)

Neural Networks for regression, Convolution Neural Networks, Deep Neural Networks (VGG16).

Kaggle: geospatial analysis

Interactive maps, geoencoding, methods of spacial visualisation.

edX: Computer Vision and Image Analysis
(Microsoft)

Image manipulation methods and object-detection algorithm.

edX: Introduction to Artificial Intelligence
(Microsoft)

Introduction to Microsoft Azure Platform Cognitive Services: Computer Vision API, Face API, Custom Vision.

COURSES PARTLY COMPLETED (FOR NOW)

edX: Big Data Analysis Using Spark
(UCSanDiego)

Pyspark basics: groupByKey, reduceByKey, join, map, flatMap, reduce, collect.

edX: CS 50's Web Programming with Python
and JavaScript (Harvard)

Git, HTML, Flask, SQL.

Projects

APARTMENTS DATA PARSER

Extract data from flat advertisement web site and analyse it. Consists of 4 parts:

1. Extract data using requests, beatifulsoup4.
2. Encode travel time with route API.
3. Show relations between location, travel time, apartment's size and price.
4. Develop scikit-learn model to predict the price.

AIR POLLUTION ANALYSIS

Regression analysis of pollution level in air in comparission with wind speed, temperature, humidity and cloud cover.

Involved: pandas, matplotlib, seaborn

FACE CORRELATOR

Display similarity matrix between all faces found in a batch of images.

Involved: Microsoft Azure's Face API

KNOWLEDGE

Good

- ▶ pandas
- ▶ matplotlib
- ▶ jupyter

Medium

- ▶ keras
- ▶ scikit-learn
- ▶ geopandas
- ▶ requests
- ▶ flask
- ▶ Git
- ▶ API
- ▶ Vim
- ▶ Linux
- ▶ C/C++

Basic

- ▶ Azure
- ▶ PySpark
- ▶ SQL
- ▶ HTML
- ▶ Bash

LANGUAGES

Polish - native

English - C1

German - B1

Italian - A1

EDUCATION

Feb 2018-Oct 2019 **Warsaw University Of Technology**

Master Degree of Mechanical Engineering

Oct 2014-Feb 2018 **Warsaw University Of Technology**

Bachelor Degree of Aerospace Engineering

Wyrażam zgodę na przetwarzanie moich danych osobowych dla potrzeb niezbędnych do realizacji procesu rekrutacji (zgodnie z Ustawą z dnia 29.08.1997 roku o Ochronie Danych Osobowych; tekst jednolity: Dz. U. 2016 r. poz. 922).