



# KRYSTIAN PLACKOWSKI

Hello! I'm a self-learning Data Scientist with C++ background. I'm constantly attending new courses and looking for a place where I can use most of my skills. 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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## EDUCATION



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

Master's Degree of Mechanical Engineering



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

Bachelor's Degree of Aerospace Engineering

## COURSES TAKEN



**Python for Data Science (UCSanDiego)**

Introduction to data science with pandas and scikit-learn.



**Mashine Learning Fundamentals  
(UCSanDiego)**

Introduction to various classification methods on implementation side.



**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.



**Computer Vision and Image Analysis  
(Microsoft)**

Image manipulation methods and object-detection algorithm.



**Introduction to Artificial Intelligence  
(Microsoft)**

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

## COURSES PARTLY COMPLETED (FOR TODAY)

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## PROJECTS

### APARTMENTS DATA PARSER

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

1. Extract data using requests, BeautifulSoup4.
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 comparison with wind speed, temperature, humidity and cloud cover.

**Involved:** pandas, matplotlib

### FACE CORRELATOR

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

**Involved:** Microsoft Azure's Face API

### BOOK REVIEW WEBSITE

A backend project of a simple website with ability to login/register, searching for books and writing reviews.

**Involved:** flask, HTML

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## KNOWLEDGE

### Good

- ▶ Python
- ▶ pandas
- ▶ matplotlib
- ▶ jupyter

### Medium

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

### Basic

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

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## LANGUAGES

Polish - native

English - C1

German - B1

Italian - A1