

# WERONIKA ZAK

 weronikazak

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## EDUCATION

### UNIVERSITY OF LOUGHBOROUGH

BSc COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

2020 - present | Loughborough, Leicestershire

### RYSZARD KACZOROWSKI TECHNICAL COLLEGE

IT TECHNICIAN

2016 - 2020 | Kielce, Swietokrzyskie

Graduated with a distinction. Education ended with obtaining Polish technical certificates such as:

- E12: Installation and operation of personal computers and peripheral devices.
- E13: Local computer networks design and network administration.
- E14: Web application creation and database administration.

## SKILLS

### TECHNICAL SKILLS:

Great knowledge with:

Python 3 • OpenCV • Tensorflow • C# •  
.NET Core • Angular • CSS3 • HTML5

Familiar with:

R • Android Studio • JavaScript • Angular •  
Git • Linux • MySQL • Java • Sklearn

### SOFT SKILLS:

Quick Learner • Reliable and Consistent •  
Team Building • Results Achiever

## WORK EXPERIENCE

### ITM CODE | .NET DEVELOPER TRAINEE

May 2019 - July 2019 | Kielce, Swietokrzyskie

- Modified existing software to correct coding errors and improve overall performance.
- Participated in meetings and consultations to collect client's requirements and ensure project quality.
- Designed and co-created the company's representative page using .NET framework tools.

### CINEL | IT TRAINEE

March 2019 - April 2019 | Lisbon, Portugal

- Participated in micro-welding and programming for tiny devices classes,
- Was introduced to drones programming in Python language and assisted with coding a functionality,
- Introduced to robotics, cybernetics and the automation process of electronic devices,

### FACEBOOK, DEVIANTART | FREELANCER, GRAPHIC DESIGNER

Jan 2016 - Sep 2018

- Designed and drew commissioned graphics for games, advertisement and job presentations.
- Worked with professional graphic and 3D-sculpting programs such as Paint Tool Sai and Blender.

## PROJECTS

### MOBILE TRASH CLASSIFIER

<https://github.com/weronikazak/Handy-Trash-Classifer>

Modeled, trained and deployed multilayered neural network model with 94% accuracy in recognizing and classifying six different types of waste to mobile Android application.

### INTERNATIONAL USED CARS COMPARISON

<https://github.com/weronikazak/cars-price-comparison>

Analysed and visualized personally scraped data from international vehicle selling websites. Notebooks with graphs are available both in R and Python languages.

### DEPRESSION TWEETS ANALYSIS

<https://github.com/weronikazak/depression-tweets>

Scraped 20 000 posts from social media and analyzed linguistic markers in order to build a neural network that predicts depression with 98% accuracy.

### ROME AND OSLO CLUSTERING

<https://github.com/weronikazak/South-North-Clustering>

Capstone Project from the IBM Data Science course. Grouping the municipalities of Rome and Oslo with their neighborhoods and exploring what kind of business is advantageous there.

### COVID-19 PROJECTS

<https://github.com/weronikazak/COVID-Projects>

Various projects concerning the COVID-19 pandemic e.g. Mask Detecting, Specialized Literature Clustering, Social Distance Detector, and interactive dashboard.

### AI PLAYS ROCK-PAPER-SCISSOR

<https://github.com/weronikazak/AI-rock-paper-scissors>

Using Tensorflow Object Detection API created and trained neural network for detecting and recognizing 5 different gestures and deployed the model to Pygame application.

### IMAGE TO TEXT CONVERTER

<https://github.com/weronikazak/Yet-Another-OCR>

Flask web application that extracts text from uploaded image files. The text can be freely modified and saved to three different file extensions.

## CERTIFICATIONS

### IBM DATA SCIENCE | IBM

Obtained a certificate of proficient knowledge of Machine Learning techniques with Python.

### TENSORFLOW DEVELOPER | GOOGLE

Obtained a certificate of proficient knowledge of Google's Machine Learning library - Tensorflow.

### MACHINE LEARNING, DATA SCIENCE AND DEEP LEARNING WITH PYTHON | SUNDOG EDUCATION

Obtained a certificate of proficient knowledge of Python's Machine Learning and Data Visualization tools.

### JAPANESE-LANGUAGE PROFICIENCY TEST CERTIFICATE | POLISH-JAPANESE ACADEMY OF INFORMATION TECHNOLOGY

Obtained a certificate of fluency in the Japanese language on level N4.