WERONIKA ZAK

GITHUB · LINKEDIN · PORTFOLIO · EMAIL · PHONE

< EDUCATION >

UNIVERSITY OF LOUGHBOROUGH
| Computer Science and AI
2020 - Present | Loughborough, UK

I earned **first-class honors** in the first and second years.
I was a member of student societies such as:

- **CodeLab**: I managed communication with hackathon sponsors, assisted in coding labs and sessions, and supported students learning to code.
- **Scandinavian Society**: I helped with the organization of events related to Scandinavian culture and provided support to foreign and Erasmus students during their time abroad.

< LEADERSHIP >

GOOGLE SUMMER OF CODE
I coded new parsers for open-source library cclib as a Google Summer of Code contributor.

GOOGLE SOLUTION CHALLENGE
I led a team to create a shelter-connecting app ranked in the Top 50 of the Google Solution Challenge.

JP MORGAN HACKATHON
My team won the JP Morgan Hackathon by developing a meal preparation Flask application for visually impaired individuals.

< PROJECTS >

DIONE - ATLASSIAN CODE EXTENSION
I developed a Visual Studio Code extension, that allows developers to push their code documentation to Confluence from within their code editor.

AI-POWERED ROCK-PAPER-SCISSOR
I developed and trained a neural network using Tensorflow's API to detect and recognize five hand gestures. I then deployed this model in a Pygame app.

ANDROID WASTE CLASSIFIER
I modelled, trained and deployed a multilayered neural network model with 94% accuracy in recognizing and classifying six different types of waste to Android app.

SCREENSHOT TO TEXT CONVERTER
I created a website in Flask for extracting text from uploaded image files using OCR models. The app also enables modification of text and saving in three different formats.

< WORK EXPERIENCE >

UNIVERSITY OF LOUGHBOROUGH
| Research Assistant
November 2023 - Present | Loughborough, UK

- I used Python's data mining libraries to collect data on more than 500 companies' CEOs from the internet.
- I was responsible for finding sources, cleaning the data, and dealing with any missing records.
- I worked with a group of researchers to document and analyse the collected information.

JP MORGAN CHASE & CO
| Software Engineer Intern
June 2022 – June 2023 | Glasgow, UK

- I created dashboards in Splunk and Grafana to monitor the performance of our team's legacy applications.
- I developed interactive graphs of the data stored in our databases, such as Sybase and AWS Athena.
- I designed log parsers to extract data from complex application logs, improving overall observability.

INTELLIGENT VOICE   **| Data Engineer**
April 2021 – October 2021 | Remote, UK

- I collected multilingual data to train voice recognition models to store them in AWS S3.
- I ensured the accuracy and quality of the training data for voice recognition models by verifying its cleanliness and proper formatting using AWS services.
- I worked with a team of engineers and translators to collect and validate the data.

ITM CODE   **| Software Engineer Intern**
May 2019 - July 2019 | Kielce, Poland

- I identified, debugged, and resolved coding errors to enhance software performance.
- I collected and analysed client requirements in meetings and consultations.
- I helped in the development of the company's website using C# and .NET framework tools.

< SKILLS & TOOLS >

LANGUAGES:
- Python • Java • Kotlin • C# • SQL
- JavaScript • TypeScript • Dart • Go

FRAMEWORKS:
- Django • Flask • Angular • React • Pytest

OTHER:
- AWS • Linux • Git • Docker • PyTorch
- AWS • Kafka • Scikit • Kubernetes • Prometheus
- Splunk • Grafana • Unit Testing • Tensorflow