

WERONIKA ZAK

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< 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 with the operation of society labs, and provided support to 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

Integrated new parsers into open-source library cclib as a Google Summer of Code contributor.

GOOGLE SOLUTION CHALLENGE

Led a team of three to create a shelter-connecting app ranked in the Top 50 of the Google Solution Challenge.

JP MORGAN HACKATHON - Finalist

Won the JP Morgan Hackathon by leading a team of five to develop a meal preparation Flask application for the visually impaired.

< 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.

STOWAWAY - CATALOG ITEMS

I coded a React Native application, that allows users to upload photos and descriptions of items they stow away. The application is hosted on cloud and deployed.

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

Nov 2023 - Present | Loughborough, UK

- I used Python's data mining libraries to collect details on more than 500 companies' CEOs from the web.
- I was responsible for extracting data from the web, cleansing it, and dealing with any incomplete records.
- I worked with a group of researchers to collect this data and presented updated findings every week.

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 applications.
- I developed interactive graphs of the data stored in our databases, such as Sybase and AWS Athena.
- I designed and implemented log parsers to extract important data from complex application logs.

INTELLIGENT VOICE | Data Engineer

April 2021 - October 2021 | remote, UK

- I gathered 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 assisted 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:

- Google Cloud • Linux • Git • Docker • Flutter
- Android • Kafka • Kubernetes • Prometheus
- Splunk • Grafana • Unit Testing • Tensorflow