

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 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.

< ACHIEVEMENTS >

GOOGLE SUMMER OF CODE - Contributor

I worked with the Open Chemistry organization to integrate new parsers into open-source library cclib.

GOOGLE SOLUTION CHALLENGE - Top 50

I led a team of three to develop an application that connects homeless shelters with those in need. We deployed the app to Google Play.

JP MORGAN HACKATHON - Finalist

I led a team of five people to develop a meal prep Flask app for visually impaired individuals.

< PROJECTS >

INDEX FUNDS DASHBOARD

I coded a web scraper with Selenium to scrape financial data from brokerage website, and plotted it into interactive graphs using Flask and Plotly.

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.

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.

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 >

JP MORGAN CHASE & CO | SWE Intern

June 2022 – June 2023 | Glasgow, UK

- I developed real-time dashboards in Splunk and Grafana to monitor the performance of our team's applications.
- I created interactive visualizations 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.
- I implemented unit tests using Pytest and Unittest frameworks and mocked the existing codebase.

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 | SWE 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.
- I applied Agile methodologies to efficiently manage project timelines and meet deadlines.

< SKILLS & TOOLS >

LANGUAGES:

- Python • C/C++ • C# • Java • SQL
- JavaScript • TypeScript • Go

FRAMEWORKS:

- Django • Flask • Express • React • Pytest

OTHER:

- Cloud (AWS, Azure) • Linux • Git • Docker
- Android Studio • Pytest • Kubernetes
- Prometheus • Splunk • Grafana

< OPEN-SOURCE >

 OPEN CHEMISTRY - cclib

 UNIFY - Ivy