



# KYRYL LEBEDIN

2nd year student in Durham University

 Portfolio Link

 Durham, UK

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## ABOUT ME

I have experience in Full Stack Web Development, with a strong focus on Backend development. I also have skills and am passionate about Machine Learning, Deep Learning and Data Science. I am a quick learner and I am always looking to expand my knowledge and skill set. I am a team player and I am excited to work with others to create amazing applications. My portfolio website: [Portfolio](#)

## SKILLS

### Python

- Web Dev: Django, Flask, SQLAlchemy
- Data Science: Pandas, NumPy, matplotlib
- Machine Learning: scikit-learn, Keras, TensorFlow

### JavaScript

- Backend: Node.js, Express, REST API, CRUD
- Frontend: React, Redux, Bootstrap, HTML, CSS

### Other

- DB: PostgreSQL, MySQL, NoSQL
- Project Management: Git, Slack, Jira, Scrum, Agile, design patterns, SOLID, object-oriented programming
- Time Management: GTD, Zettelkasten

Upon finishing my 2nd year at Durham University (summer 2025), I will have gained skills in C#, C, C++, and Haskell.

## PROJECTS

Python, Django,  
scikit-learn,  
numpy, pandas,  
javascript

### Algorithm Analyze AI Website

[github.com/kyryl-lebedin/algorithm\\_analyze/](https://github.com/kyryl-lebedin/algorithm_analyze/)

Website that determines the complexity of an input algorithm in the form of a Python function using machine learning. Try it yourself on <http://> The model uses a Random Forest algorithm for training. The selected features are the coefficients of a third-degree polynomial, fitted to the size-time graph to represent the complexity of various algorithms. [View](#)

C#, Unity, Blender,  
Python, Flask,  
Raspberry Pi

### Hackaton ISS 3D Modelling Raspberry Pi

[github.com/kyryl-lebedin/PoisedVisualCrab/](https://github.com/kyryl-lebedin/PoisedVisualCrab/)

Our team of four participated in the Durhack Hackathon, where we developed a project that modeled the relative position of the International Space Station (ISS) orbiting the Earth. We achieved this using Unity, integrating data from the ISS open API. Additionally, we set up a Flask server on a Raspberry Pi equipped with a GPS sensor to gather real-time location data from Earth, which we used to accurately model the ISS's relative position.

JavaScript, Node.js,  
Express, ESLint,  
Bootstrap, CSS,  
HTML

### Recipes Manager Website

[github.com/kyryl-lebedin/Recipes-manager](https://github.com/kyryl-lebedin/Recipes-manager)

A website that allows users to view available recipes based on selected ingredients. It includes a feature to calculate both macro and micro nutrients for each recipe. The frontend is built with JavaScript, HTML, and CSS, making asynchronous requests to a backend developed with Express.js.

## EXPERIENCE

2023 – 2024

### Telegram Bot Development for Corporate Management

Freelance Team - Ukrainian Company

Worked as part of a freelance team for 14 months to develop and deploy a Telegram bot for a Ukrainian company. The bot was designed to optimize corporate routine processes for management, helping streamline tasks and improve efficiency. I have attached a copy of the repository (with sensitive information removed)

[github.com/kyryl-lebedin/TelegramBotPortfolio](https://github.com/kyryl-lebedin/TelegramBotPortfolio)

**Technologies used:** Python, my-telegram-bot, Docker, PostgreSQL, SQLAlchemy, Google API.

**Reference:** You can contact my team leader at: [techrahovski@gmail.com](mailto:techrahovski@gmail.com)

## EDUCATION

2023 - 2026

### Computer Science BCs, Durham University

University

1st year average grade - 71%

2022 - 2023

### A levels, St John's School, Bishop Auckland

Sixth Form

Math, Further Math, Physics. Finished the whole course in one year.

## CERTIFICATIONS

- IBM Machine Learning with Python, with Honors [Certificate](#)
- IBM Introduction to Deep Learning & Neural Networks with Keras [Certificate](#)
- DeepLearning.AI, Stanford University: Supervised Machine Learning - Regression and Classification (Andrew Ng) [Certificate](#)

## LANGUAGES

**English** - fluent (C2), **Ukrainian** - native, **Russian** - native