Bohdan

Hashchuk

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# Skills

**AI/ML:** PyTorch, MatPlotLib, Pandas, Numpy, Sklearn, ChatGPT API, Faiss, Gradio, OpenCV

**Front-End:** HTML/CSS/JS, React.js

**Back-End:** Django, Node.js, REST API, FastAPI

**Databases:** MySQL, SQLite3, PostreSQL, MongoDB

**Other:** Python, C/C++ , OOP, Java, Bash

# Education

## 2023 – 2026 Ukrainian Catholic University

Study at Bachelor’s Program Computer Science

## 2022 – 2023 Lviv Polytechnic National University

Studied at Bachelor’s Program Artificial Intelligence

# Experience

## Python Teacher at Logika

### Part-time | 08.2024 - Now

I am a Python teacher for teenagers. On my courses we learn Web dev, Game dev, OOP, Web Scraping etc.

# Projects

All my projects can be found on my [GitHub](https://github.com/gashchukk) page. (If you do not see relevant one, please contact me. I will open it for you)

IMAGE DENOISING USING FFT **Stack of Technologies:** Python, OpenCV, Tensorflow

Performed image transformation from spatial domain to Fourier domain and reduced noise in the image using Fourier Transform techniques.

**GitHub:** <https://github.com/gashchukk/Image-Denoising-Using-FFT.git>

DISTRIBUTED BOTNET FOR TESTING NETWORK SERVICES **Stack of Technologies:** C++, Python, React, SQLite3, Concurrent Programming, HTTP/SSH

Performed a distributed botnet of Master and bots to send asynchronous requests to the target until it falls (for educational purposes only)

**GitHub:** <https://github.com/plinom/distributed-botnet.git>

IMAGE SEGMENTATION MODEL **Stack of technologies:** PyTorch, Unet, StepLR, Dice(metric)

Code: [https://colab.research.google.com/drive/1UvnuzP8RNrMnMPsNrhIwzRGnBhgkUfea?usp=sh aring](https://colab.research.google.com/drive/1UvnuzP8RNrMnMPsNrhIwzRGnBhgkUfea?usp=sh%20aring)

IMAGE CLASSIFIER MODEL FOR 1200 CLASSES **Stack of technologies:** Pytorch, Pandas, Timm, EfficientNe, VIT, ResNET, MAP@5(metric)

Code:

[https://colab.research.google.com/drive/1OFnos3vh3iBWqNIYa9cwfj\_Gv4yW6bAQ?usp=s haring](https://colab.research.google.com/drive/1OFnos3vh3iBWqNIYa9cwfj_Gv4yW6bAQ?usp=s%20haring)

**OTHER**

Stack of technologies I worked with: Document AI API, Vision AI, ChatGPT API, Google Cloud Services, SAM(Segment Anything Model), deblurGAN etc.

# Certificates

## C1 English Proficiency by British Council

Jan 2023

## Python Programming by Meta

May 2024

## React Basics by Meta

Jun 2024