BOHDAN HASHCHUK

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Skills

Python: PyTest, NumPy, Pandas, Matplotlib, PyTorch, pip

OpenCV

C++, Java, JavaScript, HTML, CSS, React

Figma, Photoshop, Illustrator

Git, GitHub

MySQL, SQLite3

Education

BACHELOR OF COMPUTER SCIENCE (2022 - PRESENT)

Ukrainian Catholic University, Applied Science Faculty

Projects

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=sharing

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=sharing

OTHER

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

Courses/Certificates

PROGRAMMING IN PYTHON BY META

Certificate available on LinkedIn profile

Technologies learned: PyTest, NumPy, Pandas, Matplotlib, Tensorflow

PYTHON FOR EVERYONE BY UNIVERSITY OF MICHIGAN

Certificate available on LinkedIn profile

Technologies learned: Python, SQL, Web Services, Network and Python (including HTTP), Object-Oriented Programming, Data Visualization

C1 PROFFICIENCY ENGLISH CERTIFICATE BY BRITISH COUNCIL

Certificate available on LinkedIn profile