YAKHYOKHUJA **VALIKHUJAEV**

경기 성남시 수정구 태평동 · 010-9363-7088

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- Experienced in C++, Java, Python, PyTorch, Tesorflow, Keras.
- Hands-on experience in Object Detection, Object Segmentation, OCR, STR, STD, Generative Adversarial Networks, Neural Architecture Engineering and Searching, etc.
- Experienced in implementing ML/DL methods to real world problems.
- Have a vision and passion to apply end-to-end deep learning platform solutions.
- Skilled in the deployment of Deep learning models to Web and Edge devices (PyTorch, Tensorflow Android inference).
- A big fan of ICCV, CVPR, ECCV conferences and research the latest papers, trying out new technologies.

EXPERIENCE

2020.11.18 – PRESENT

AI RESEARCH ENGINEER, DIVUS CO, LTD

ANPR:

- Object detection (YOLOv5x, YOLOv5l), Image Generation (Number plate generator), Building/Training/Inference, Deployment on Mobile/Web (Rest APIs)
- Integration of multi-stage models

Slab Text Recognition:

- Scene Text Detection – detectron2, EAST, CRAFT, TextFuseNet.
- Scene Text Recognition – STN, BiLSTM, Attention, CTC.

Shadow Removal:

- GANs, CycleGAN, DCGAN

2019.04.01 – 2020.01.12

TEACHING ASSISTANT, GACHON UNIVERSITY

Teaching middle school students (5 talented students):

- C++/Python basics to code on Arduino Uno and Raspberry Pi 2.
- OpenCV based face detection and Machine learning based digit recognizer.
- Reading and writing data using GPIO ports of Raspberry.
- Voice to text and using it in smart home to control the home by voice commands.
- Won 3rd place among the classes in the program at Gachon university and participated in national competition.

2018.09.01 – 2020.12.01

RESEARCHER, GACHON UNIVERSITY

- Computer vision (OpenCV), Facial key point detection (DLIB), Inferencing deep learning models. Data analysis (pandas, seaborn).
- Machine Learning based recommendation system, Web programming, Android app to control the device using Bluetooth.

- Building/Training/Deploying of Deep learning models on Windows and Android OS and Edge devices (Python/Java/Tensorflow/Keras and Raspberry Pi 2).
- Published an International paper (SCI, IF 2.6) and several domestic conference papers.

EDUCATION

MARCH 2021

MASTERS IN COMPUTER ENGINEERING, GACHON UNIVERSITY

- GPA: 4.01/4.5
- Best paper award from FISK (Fire Investigation Society of Korea)
- Best presentation award from ISIS2019 & ICBAKE2019

JUNE 2018

BACHELOR IN COMPUTER ENGINEERING, TUIT (UZBEKISTAN)

- Score: 85/100
- Desktop UI – English practice application with vocabulary more than 25k words (C++ Builder 6, Embarcadero C++)
- Website for online car sale.
- Air Conditioning system using Embedded devices (Arduino Uno)

SKILLS

- Programming languages: C++, Java, Python(expert)
- Technologies: PyTorch, TensorFlow, Keras
- Data analysis: pandas, matplotlib, seaborn
- Computer vision: OpenCV, PIL, DLIB
- Inference ML/DL models on Web/Android OS and Edge devices.

ACTIVITIES

Languages:

English	Professional working proficiency
Korean	Beginner working proficiency
Russian	Elementary working proficiency
Uzbek	Native

I like to share my knowledge by releasing videos, writing blogs and answering questions:

- YouTube: https://www.youtube.com/codeuz
- Medium: https://yakhyo.medium.com
- StackOverflow: https://stackoverflow.com/users/14815986/yakhyo
- StackOverflow CV: https://stackoverflow.com/cv/yakhyo
- Certificates: Link to certificates [Google Drive]

Personal qualities:

- Determined and decisive: Uses initiative to develop effective solutions to problems.
- Reliable and Dependable: High personal standards and attention to deal.
- Emotionally mature: Calming and positive temperament, tolerant and understanding.
- Strong planning: Organizing and monitoring abilities.