Orkhan ALIYEV

Software Engineer

Personal Summary

Computer Engineer specializing in Computer Vision, Artificial Neural Networks, Web and Desktop Softwares. Experienced with a lot of stages of the development cycle for dynamic projects. Well-versed in numerous programming languages including Python, C++, C# . Strong background in project management.

Education

Karadeniz Technical University

Bachelor of Science in Computer Engineering

Contact:

Adress:
Baku, Azerbaijan

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Linkedin:
@aliyeorkhan1

Github:
@aliyevorkhan

HackerRank:
@aliyevorkhan

Website:
www.orkh.tech

Professional Skills

Coding Languages:
Python, C++, C#, SQL

Frameworks/Systems:
OpenCV, YOLO, TensorFlow/Keras, PyTorch, Pandas, MXNet, Flask, FastAPI, Redis, RestAPIs, Linux, Do Git, SQLite3, PostgreSQL, MySQL

Foreign Languages:
- English

Projects

Work Projects:

AYVOS Inc.

- FastAPI Video Downloader Service (Multi-threaded)
- Hand Detection
- Image Difference Based Anomaly Detection
- RTSP Anomaly Detection
- Time Lapse Motion Heatmap Analytics
- Dropped Object Detection
- Fire and Smoke Detection

Freelance
- Product Statistics Dashboard
- Person Tracker

securKEY Inc.

- Remote Desktop App.
- Video Conference App.

Freelance
- Admin Panel
- Sales Statistics Dashboard
- User Activity Dashboard

Individual Projects:

- Yahoo Finance API
- Fastgre (PostgreSQL and FastAPI integration)
- Pose-Estimation API
- Optical Character Recognition API
- FaceFinder AI based Web App.
- Stock Management System
- Face Recognition Under Spoofing Attacks
- Emotion Recognition and Statistical Representation
- Face Recognition and Identification
- Age and Gender Recognizer
- Artificial Neural Network Library
- Image Processing Library
- Internship Management System

Career Summary

Software Engineer

AYVOS Inc.
Aug. 2020 to present

- Designs and creates new software solutions to solve pain points with AI and Computer Vision techniques

Software Engineer

securKEY Inc.
Mar. 2020 to Jul. 2020

- Developed and implemented security based new products on R&D phase
- Improved previous versions of products
- Solved security based problems

Freelancer

Worked with 2 different companies in specified period:
Oct. 2019 to Feb. 2020

- Developed Dashboards, AI solutions with Flask, FastAPI, Google-Firebase, YOLO and etc.

Intern Engineer

KTU Computer Vision and Pattern Recognition Lab.
Jun. 2019 to Aug. 2019

- Researched and developed new approaches for image calibration techniques

Freelancer

Worked with 3 different companies in specified period:
Nov. 2018 to May. 2019

- Developed Dashboards, Admin Panels with Flask, FastAPI, SQLite3

Intern Engineer

Cybernet LLC.
Jul. 2018 to Sep. 2018

- Developed Single Sign On OAuth System to access all products firm has

Theses and Publications

- Smart Entry System Against Face Spoofing (Thesis)
- Engineers of Future International Students Symposium 2020 (Publication)