Mohammad Hasan Zahweh

Computer and Communication Engineer

Just graduated my studies in computer and communication engineering. Experienced in computer vision, seeking a job opportunity in this domain.

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VOLUNTEER EXPERIENCE

Computer Vision Engineer
CNRS-Lebanon GEOAI Team

07/2022 - Present   *Remote Work*

The GEOAI Team is a research team that works on Remote Sensing Computer vision projects.

Achievements/Tasks

- Created the first cleaned dataset for wheat Segmentation
- Create a Transformer based segmentation model
- Our work produced a paper to be published in ECRS 2023

Contact : *https://geogroup.ai/*

PERSONAL PROJECTS

Using PEFT for Remote Sensing Crop Monitoring
- The aim of this project is to find all the wheat fields in Bekaa using Sentinel-2 Satellite image using Parameter Efficient Fine Tuning (PEFT) on the state-of-the-art transformer in crop segmentation task

PEFT-int SAM
- This project worked on segmentation of the WHU dataset with the use of Segment Anything Model (SAM) image encoder as well as Parameter Efficient Fine Tuning (PEFT) Techniques.

Image Search Engine
- An image search engine that search for the most similar image using CLIP, Django, and FAISS

EDUCATION

Electrical and Computer Engineering
Lebanese University-Faculty of Engineering

09/2018 - 09/2023   *Al-Hadath*

Courses

- Data Analysis
- OOP
- Data Base
- Probability and Statistics

SKILLS

Paper Reading   Python   pytorch   QGIS

ViTs   Problem Solver   SQL   PEFT

CLUBS

Competitive programming
This club aims to prepare participants for the LCPC competition by practicing basic problem solving programing skills.

Cybersecurity Club
The aim of this club is to explain the structure of the internet and data transfer and to introduce basic web-surfing precautions and encryption techniques.

CERTIFICATES

Python (Al Baraka Association)
Covered basic python, OOP python, SQLite, working with external modules, and basic sklearn.

Cisco CCNA: Introduction to Network course
Configure a small network with security best practices and troubleshoot connectivity problems

ORGANIZATIONS

Organization Name

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Professional Working Proficiency

INTERESTS

Reading   chess