Arqam Imtiaz

Deep Learning Engineer

arqam.xmu@gmail.com
+8615659819817
Shenzhen, China
Pakistani Nationality
05/04/1993 Birth Date

linkedin.com/in/arqamimtiaz/ github.com/arqam-ai/

I am a skilled professional in the field of AI and Robotics, with a focus on Computer Vision and Deep Learning. My expertise allows me to tackle real-world problems with cutting-edge research, with a keen dedication to finding innovative solutions. I am passionate about working with the latest technologies, and driven to develop intelligent systems that have a positive impact on society.

SKILLS

Python | C++ | Pytorch/Pytorch Lightning | Tensorflow/keras | Matlab | TensorBoard/W&B/MLflow | sklearn/pandas/matplotlib/seaborn | git/dvc | Docker/Kuberneters

PROFESSIONAL EXPERIENCE

Deep Learning Engineer
XPENG Robotics

05/2021 - Present *Shenzhen, China*

Description

https://www.pxing.com/

Contribution in Projects:

- 2D Semantic Segmentation for indoors environment
- Uncertainty learning in Semantic Segmentation
- Stereo Depth Estimation for 3D perception
- Aleatoric Uncertainty Modelling in Stereo Depth Estimation
- Generate Dense Depth Estimation Ground Truths by fusion of multiple LiDAR frames
- Auto-labeling pipeline to Generate Annotations for Grasp Pose Detection
- Keypoints detection to detect corners of doors and windows for indoors visual perception

Research Assistant
Southern University of Science Technology

09/2020 - 04/2021 *Shenzhen, China*

Description

https://www.sustech.edu.cn/en/

Contributed in following tasks:

- 3D Semantic Segmentation in Point cloud data

Algorithm Engineer
ROPEOK TECHNOLOGY GROUP CO.,LTD.

10/2019 - 09/2020 *Xiamen, China*

Description

http://www.ropeok.com/

Projects:

- Real time Person Re-Identification across 6 cameras in Adjacent streets
- Human Attributes Recognition

EDUCATION

Master of Engineering in Computer Technology
Xiamen University

09/2017 - 07/2019 *Xiamen, China*

Description

Research Lab: https://imt.xmu.edu.cn/

Thesis Title:

- Deep discriminative features learning with Multi-level Network (MLN) for Person Re-Identification

Bachelor of Science in Electrical Engineering
COMSATS University Islamabad

09/2012 - 07/2016 *Islamabad, Pakistan*

Description

Campus: https://cuiwah.edu.pk/

Final Year Project:

- Shooting Target Accuracy Measurement System for Shooting Range using Digital Image Processing

LANGUAGES

Urdu/Hindi
Native Speaker

English
Highly proficient

Chinese
Working knowledge