

Curriculum Vitae

QI Liyuan

Country of Citizenship: China

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Educational Background

University of Electronic Science and Technology of China 09/2016 - 07/2020

Program: Dual Bachelor of Engineering Degrees awarded by the University of Glasgow and
University of Electronic Science and Technology of China
Upper Second-Class Honour Degree

University of Glasgow

01/2021 – now

Program: PhD in Electronics & Electrical Engineering (Research)

Research and Project

10/2020 – 03/2021 Pepper Teleoperation

Developed a system to teleoperate/manipulate Softbank robot Pepper by hand gestures which are captured and analyzed by computer vision technology.

09/2020 – 01/2021 Softbank Robot Project

Developing Softbank robot “Pepper” for teaching propose in GC-UESTC and UofG course “real-time computing system and architecture.”

09/2019 – 04/2020 Gesture Detection based on Intelligent System

Final year project. Designed a wearable wireless sensor network to capture and recognize user's gesture. Using Zigbee, SVM, KNN, RFC and LSTM.
Rewarded as UESTC Excellent Work and Glasgow College Excellent Work

03/2019 - 06/2019 Multi-functional Patrol Line Vehicle

Leader of Vision Team and Image Processor; separate the paths from the backgrounds on the basis of the images captured by the camera with Gaussian Filters and edge detectors. Using RaspberryPi and Linux.

Extracurricular Activities

09/2020 – 12/2020 Teaching assistant in Real-time computing system and architecture

07/2017 - 08/2017 Vancouver Summer Program at The University of British Columbia

Skills

Python, C, Linux, Embedded system, Machine Learning, PCB design, Image Processing, Zigbee