

Applicant Information

Applicant: Xiangkun He

E-mail: xh1222@ic.ac.uk

Education:

2018-2021: Gained Honour First Bachelor's Degree about Electronic Engineering from University of Central Lancashire.

2021-2022: Learning about Master of Science about Electronic and Electrical Engineering in University of Sheffield.

Profile:

Core module:

For 2018-2019, semester 1 and 2 (completed):

EL1211 Engineering Mathematics, EL1241 Analogue Electronics, EL1311 Software Development, EL1205 Electronic Engineering Practice, EL1242 Digital Electronics.

For 2019-2020, semester 1 and 2 (completed):

EL2006 Data Communication, EL2106 Signals and Systems, EL2241 Electronic Systems, EL2242 Digital Systems, EL2205 Electronic System Applications.

For 2020-2021, semester 1 and 2 (not completed):

EL3995 Project (Topic: Heart rate Detection by Using Low-cost Camera), EL3105 Computer Vision, EL3147 Digital Signal and Image Processing A, EL2311 Software Development, EL3250 Microcontroller Systems, EL3996 Engineering Professionalism.

For 2021-2022, in University of Sheffield:

Course: **EEE6206 Power Semiconductor Devices, EEE6208 Advanced Integrated Electronics, EEE6209 Advanced Signal Processing, EEE6215 Nanoscale Electronic Devices, EEE6216 Energy Efficient Semiconductor Devices, EEE6221 Data Coding Techniques for Communication and Storage, EEE6222 Principle of Communications, EEE6602 MSc Investigative Research Project.**

Skills:

Practised Program Language: **C (from EL3250 EL1311, EL2205, EL2242), C# (from EL2311), and MATLAB (EL3995, EL3147, EL3105).**

Practised Development Tools: **Visual Studio of C# (from EL2311), MATLAB + Computer Vision Toolbox (from EL3105, EL3995) and Signal Processing Toolbox (from EL3147, EL3995), Keil5+MDK (from EL3250, EL2205, EL2242), Proteus (from EL1241, EL1205, EL1242) and Altium Designer (from EL2205, EL2242).**

Program Language in studying by myself: C++ and Python.

Development Tools in studying by myself: PyCharm + OpenCV, AutoCAD. (I just learned how to use them and basic skills.)

Extracurricular Experiences:

No current working experience.