Doyun GU

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EDUCATION

The University of Manchester   Sep. 2022 – Present
Bachelor of Engineering with Honours in Electrical and Electronic Engineering   Manchester, U.K

- **Course:** Microcontroller Engineering, Electronic Circuit Design, Energy Transport and Conversion

NCUK Foundation Year (Science/Engineering)   March. – Dec. 2021
IEN Institute   Seoul, South Korea

- **Valedictorian** of 21/22 NCUK Foundation Year, Awards GBP 6,000 as placed in the top 1 student of the Year
- **Subjects:** Pure Maths, Further Maths, Chemistry (Final Score: A*A*A*)

ACTIVITIES

Worked in Information Support Team at the Samsung Changwon Hospital   July-Aug. 2023
Worked for building and stabilising the seperation networking   Changwon, South Korea

- Make a Diagnosis and Fix the occurred errors with the Virtual Server
- Assist Professors, Doctors, and Nurses when there are problems with server via Remote Support

SONY: Hack-A-Bot   June. 2023
Create an Edge computing 'Sixth Sense' to help developer one or more of the UN-SDGs   Manchester, U.K

- Construct the Mechanism of Solution for the **Zero Hunger**
- Build the Python code which will work with SONY Camera to measure the sunshine strength

Hack-A-Bot   March. 2023
24-hours Competition by Robotics Society of the University of Manchester   Manchester, U.K

- Build the Code of Web Scrapping to send position information to the robot every second using **Python**
- Construct **Arduino** code for infrared sensor algorithms
- Design the robot Chassis using **SolidWorks**

IEN Supporters   Dec. 2021 – Present
Advertisement, Encourage Students   Seoul, South Korea

- Post a number of posts and blogs on the the **Website** and personal **blog**
- **Zoom Seminars** with new students to share the experience in the Foundation Year

PROJECTS

LITHIUM BATTERY CELL Investigation (Year 1 Coursework)   April. 2023

- Built a code to analyse Capacity of Lithium Battery Cell using **C Language**
- Maintained version control using Git, practiced a **Test Driven Development**

SKILLS

IT Language : Python, HTML/CSS, C, LaTex

Software : SolidWorks, ANSYS, LabVIEW, NI Multisim, Simulink
Tools : Notion, Google Analytics, GitHub
Language : English (Proficient), Korean (Native)