# Odysseas Bouziotis

(+44) 07851801581 odysseasb12@hotmail.com Portfolio LinkedIn

## Work Experience (Indefinite Leave to Remain–Pre-settled Status)

**Switch On Ltd** **June 2023 - July 2023:** *Summer Internship*

**Position Description:** I was a member of a 12-person team working on a 20MW solar farm located on the outskirts of Blandford Forum, UK, in the renewable energy sector. Our primary focus was on delivering the electrical connections between the solar panels and the electrical substations, which would then transfer the generated electricity to the grid.

**Learning Outcomes:**

- Teamwork: Had to collaborate and communicate effectively to complete the installation of the electrical connections.
- Adaptability: Had to learn new skills and bring myself to an adequate working standard which was achieved through supervised guidance.
- Time Management: Had weekly deadlines and needed to effectively manage my time in order to deliver the allocated tasks.

## Education

**University of Birmingham** **Completed:** *Sept.2020-July 2023*

Course: BEng Mechanical Engineering
BEng Dissertation: **Robotics for Medical Device Inspection.**
Relevant Modules: Fluid Mechanics and Energy Transfer, Mechatronics and Control Engineering, Powertrain and Vehicle Engineering, CFD and FEA, and Sustainable Energy and the Environment.

**University of Manchester** **Completed:** *Sept.2023-Sept.2024*

Course: MSc Robotics
MSc Dissertation: **SLAM on an Unstable Platform.**
Relevant Modules: Software for Robotics, Robotic Systems, Autonomous Mobile Robots, Robotic Manipulators, Cognitive Robotics and Computer Vision, and Robotic Systems Design Project.

## Academic Experience

**Integrated Design Project:** Group design project in collaboration with 30 students from all engineering disciplines, to design a Direct Air Capture (DAC) facility responsible to capture 5000 metric tons of carbon dioxide.

**Mechanical Design:** A group project to design a speed reduction gearbox for a Wankel Engine for an unmanned aerial vehicle.

**Software for Robotics:** Individual python projects implementing ROS2 humble to create complete robot packages and visualizing them in RVIZ and Gazebo.

**Robotic Systems Design Project:** A group project to acquire hands-on experience by assembling the Leo Rover kit to accommodate sensors, a robotic manipulator and a micro-computer(NUC).

## Skills

- Programming Languages: **Python, C, MATLAB.**
- 3D CAD Design Softwares: **Autodesk Fusion 360 and SolidWorks.**
- Software Packages: **Ansys Workbench, Abaqus, CES Edupack, Gazebo, and RVIZ.**
- IDEs: **Visual Studio Code, CodeBlocks, and Pycharm.**
- Extensively Used Open Source Software: **ROS2(Humble).**
- Other Tools: **Excel, Word, PowerPoint, Latex, Colab, Jupyter Notebook, and Roboflow.**

## Languages

Greek - Native English - Business Competence