

# Otis Weygang

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Otisweygang.com

## Education

2019–2022

First-Class BEng (Hons):

Electrical Engineering

Birmingham City University

2017–2019

A-levels:

Maths

Physics

Design Technology

## Skills

HTML/CSS

C++

PLC (LD, FBD)

Python

JavaScript

## Projects

Personal Portfolio website

Python based Physics  
simulations

Python file search  
application

# Work Experience

## Control Engineer Apprentice

BMW – Oxford

July 2022 – January 2023

- Maintenance Engineer specializing in lineside maintenance of ABB 7-axis robots and overseeing the entire application process.
- Skilled in hardware, electrical and software maintenance.

July 2021 – July 2022

- First-class BEng in Electrical Engineering with focus in automation, microcontrollers (C++) and power systems (MATLAB).
- Shadowed control Engineers in the painted body department, gaining practical experience in project design, commissioning, and implementation.
- Designed, Commissioned, and implemented Carrier tracking project, including detailed custom H&S, electrical, mechanical, pneumatic, and software documentation.
- Skilled in programmable logic PLC (LD/FBD), HMI design (TIA portal), small scale tests commissioned on microcontroller (C++).
- Completed dissertation on the design and commissioning of a 3-DOF end effector using inverse kinematics (C++, MATLAB)

July 2018 – July 2021

- Completed Level 3 Btec and foundation degree while shadowing control engineers.
- Proficient in Mechanical, Electrical, Pneumatic, Hydraulic, and automation systems (PLC).
- Designed and commissioned a UK-wide 'apprentice hub' website using SharePoint, HTML/CSS, JS. Covers 3 UK plants (Oxford, Hams Hall, Swindon). Expanding from two people into a team of 20.
- Experienced in configuration management and version control.