

# MARIO PORTILLO HERNALZ

## BSc. Computer Science Student

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## SKILLS

Python

Java

HTML

C++

Object-Oriented  
Programming

JavaScript

SQL

CSS

Microsoft Office

Davinci Resolve

## LANGUAGES

English

Full Professional  
Proficiency

Spanish

Full Professional  
Proficiency

## ACHIEVED POSITIONS

Media Co-ordinator

for the Loughborough  
AU Kickboxing Team.  
2022 – Present

Social Student  
Involvement Officer

for the Loughborough  
Computer Science  
department 2022 –  
Present

Club Captain for the  
Leander Swimming  
Club. 2019-2021

Senior Prefect which  
represented one of  
the five houses in my  
secondary school.  
2018-2019

## EDUCATION

### BSc. Computer Science degree

Loughborough University

09/2021 – Present

Grades:

- First Year: Overall 1:1 (First-class grade)

### A-Levels

Ashcroft Technology Academy

08/2018 – 07/2020

Grades:

- Mathematics: A (A-Level), A (AS Level)
- Further Maths: C (A-Level), B (AS Level)
- Computer Science: B (A-Level), C (AS Level)
- Physics: B (AS Level)

### GCSE's

St Thomas More Language College

08/2015 – 07/2018

Grades:

- Grade A\*: Maths & Spanish
- Grade A: Physics & English
- Grade B: Comp Sci, Chemistry, Biology, RE, Further Maths
- Grade C: French

## PROJECTS

### Team Project

HTML/CSS/PHP/SQL/JavaScript

University Coursework Project

- Worked in a diverse team of 6 students for the creation of a productivity and management system website. Like in the real world, we communicated with the client often and used the Agile Scrum methodology to get the functionality and teamwork we needed.

### Voice Recognition AI

C++

Personal Project – Summer 2021

- Created my own voice recognition AI using an open-source hardware platform called "Arduino UNO".
- This piece of hardware received a voice input through a microphone and outputted a reply through a set of speakers. I named it "OTTO".

### Computer Accessory Shop

Java – Object-Oriented Programming

University Coursework Project

- Computer Accessory Shop which handled a (made-up) business shop's activity. It listed items which let users add to basket and buy them.

### Embedded System on Arduino

C++

University Coursework Project

- Consisted of programming an embedded system to save and display a set on channels on an LCD display. Had to play around with ROM to save data in the most optimal way since the memory size was small.

### Library Management System

Python

University Coursework Project

- Library management system which uploaded, ordered, displayed, and created a ranking of books. Developed using tkinter user interface.

## **Wedding Venue Booking Site**

HTML/CSS/PHP/SQL/JavaScript

University Coursework Project

- *A website which finds a suitable wedding venue based on different inputs. Data was retrieved from a SQL database.*

## **EMPLOYMENT**

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### **Free-Lance Project**

All City Cleaning

Summer 2022

- *Contributed directly towards the digital transformation and early development of a cleaning company.*

### **Student Ambassador**

Loughborough University

07/2022 & 09/2022

- *Responsible for talking with prospective students and touring them around the accommodation in Open Days at Loughborough University*

### **Assistant and Maintenance Surveyor at HS2**

Dragados, Geocisa

07/2021 – 09/2021

- *Maintaining and updating software databases used to track movement from the Victoria Line underground station.*
- *Managing and installing gateways which connect with total stations and other surveying equipment.*

### **Coach Assistant**

Leander Swimming Club

03/2019 – 10/2019 and 04/2021 – 09/2021 and 07/2022 – 09/2022

- *Overseeing of swimmer's progress helping them to improve their technique and support the coach in different session activities*

## **INTERNSHIPS**

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### **Work experience with the Global assurance team.**

ArcelorMittal

July 2019

- *Worked in the audit role at the 'ArcelorMittal centre of excellence for tools and technologies.*

### **Work experience Project Bank Station Capacity Upgrade (TFL project)**

Dragados (ACS Group) UK & Ireland

July 2018

- *Providing assistance to Station designers and engineering team in the detailed design of the new underground station.*

## **ACHIVEMENTS / INTERESTS**

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### **Duke Of Edinburgh Gold Award**

Summer 2021

*Completed both Bronze and Gold awards. Both awards consisted of Volunteering between 3-12 months, completing a Physical activity for 6-18 months and taking part in a Skills activity for 3-12 months. In order to complete these awards, I took part in a 2 day walking expedition for my Bronze award and a 5 day expedition for my Gold.*

### **London Youth Games 2019**

Summer 2019

*Selected to swim and represent Lambeth Council in the 50meter Breaststroke race winning 3rd place.*

### **National Citizen Service**

Summer 2018

*Worked with teammates from a diverse range of backgrounds to develop charity projects and learned to deliver speeches to large audiences on this program, which boosted my confidence and my social and communication skills.*