

MARIO PORTILLO HERNAIZ

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Education

Loughborough University <i>BSc in Computer Science with Placement Year</i> <ul style="list-style-type: none">First & Second Year: 1:1 (First Class)	Oct. 2021 – Jun. 2025 Loughborough
Ashcroft Technology Academy <ul style="list-style-type: none">A-Levels: Maths (A), Computer Science (B), Further Maths (C)AS Levels: Physics (B)	Sept. 2018 – Jun. 2020 London
St Thomas More Language College <ul style="list-style-type: none">Achieved 10 GCSE's with a 9-6 range	Sept. 2015 – Jun. 2018 London

Experience

Software Developer Avco Systems <ul style="list-style-type: none">Implemented new features, debugged and fixed defects by writing high quality, unit tested code.Assisted with requirements analysis and scoping of new projects as well as communicating directly with clients.Deployed and supported applications in Avco Systems' data centre and within cloud service providers.	Jul 2023 – July 2024 Slough
Web Developer – Free Lance All City Cleaning <ul style="list-style-type: none">Contributed directly towards the digital transformation and early development of a cleaning company.	Summer 2022 Remote
Student Ambassador Loughborough University <ul style="list-style-type: none">Responsible for talking with prospective students and touring them around the accommodation in Open Days at Loughborough University.	Summer 2022 Loughborough
Assistant and Maintenance Surveyor at HS2 Dragados – Geocisa UK <ul style="list-style-type: none">Maintaining and updating software databases used to track movement from the Victoria Line underground station.	July 2021 – Sept. 2021 London

Projects

Freeater TypeScript, SQL, JavaScript Business Project <ul style="list-style-type: none">Worked in a team of 4 co-founders for the development of a community platform individuals with food allergies.As the sole developer of the platform, I worked full-stack on the project from designing an intuitive front-end user interface to building a robust back-end system for data handling and analysis.
Voice Recognition AI C++ Personal Project <ul style="list-style-type: none">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.
Neural Network – AI Java University Coursework Project <ul style="list-style-type: none">The Artificial Neural Network - specifically a Multi-Layer Perceptron (MLP) – was trained using Backpropagation.In this project, I pre-processed data, implemented an algorithm, trained and selected the network, evaluated the model and compared it with another model.

Additional projects on my GitHub.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL, PHP, C++, OOP, Web-dev languages
Frameworks: React, Next.js, SQLite, JavaFX, Socket.IO

Achieved Positions

Media Co-ordinator: Loughborough AU Kickboxing Team.	2022 – 2023
Social Student Involvement Officer: Loughborough Computer Science department.	2022 – 2023
Club Captain: Leander Swimming Club.	2019 – 2021
Senior Prefect: Represented one of the five houses in my secondary school.	2018 – 2019