MARIO PORTILLO HERNAIZ
Aspiring Software Engineer

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Education

Loughborough University	**Oct.2021 – Jun 2025**
Bachelors of Science in Computer Science with Placement Year	*Loughborough*

- First & Second Year: 1:1 (First Class)

Ashcroft Technology Academy	**Sept. 2018 – Jun 2020**

- Achieved ABC in *A Levels* (Maths, Comp Sci, Further Maths) — *London*

St Thomas More Language College	**Sept. 2015 – Jun 2018**

- Achieved 10 *GCSE's* — *London*

Experience

Avco Systems	**Jul 2023 – Present**
Software Developer Intern	*Slough*

- Implementing new features, debugging and fixing defects by writing high quality, unit tested code
- Assisting with requirements analysis and scoping of new projects as well as communicating directly with clients.

All City Cleaning	**Summer 2022**
Web Developer – Free Lance	

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

Loughborough University	**Summer 2022**
Student Ambassador	*Loughborough*

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

Dragados – Geocisa UK	**July 2021 – Sept. 2021**
Assistant and Maintenance Surveyor at HS2	*London*

- Maintaining and updating software databases used to track movement from the Victoria Line underground station.

Projects

Voice Recognition AI | *C++* | Personal Project

- 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.

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.

Neural Network – AI | *Java* | University Coursework Project

- 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