

Ignacio Aguirre

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EDUCATION

Lancaster University

May 2026

B.S. in Computer Science / GPA: 3.8/4.0

- **Courses:** Fundamentals of Computer Science, Algorithms & Data Structures, Software Development, Data Engineering, Networks & Systems

TECHNICAL SKILLS

Languages (ordered by proficiency): Python, C, Java, SQL, HTML, CSS, JavaScript

Tools and Frameworks: PyTorch, OpenCV, Node.js, Qlik Cloud, Git, WordPress, MySQL, PostgreSQL

RELEVANT EXPERIENCE

PrediQT Data

June 2025 – September 2025

Data Analyst

- Analyzed and visualized business data using **Qlik Sense** and **Qlik Cloud**, leveraging **Python** to clean and integrate data from Excel, CSV, and external databases
- Developed AI-driven dashboards and reports to identify business trends and support data-based decision-making

AOC Ingeniería

September 2025 – October 2025

Software Programmer

- Implemented a **YOLOv10** model with **Python**, **PyTorch**, and **OpenCV** for real-time people detection, counting, and tracking
- Built an automation pipeline in **Python + SQL** to populate a **PostgreSQL** database, improving data accuracy and reducing manual work
- Maintained the company's **WordPress** website by updating content, images, and layout

PROJECTS

BeatWise | Personal Project

Oct. 2025

- Developed a **full-stack web application** for music producers to discover and preview samples directly in the browser
- Integrated a custom **sample machine** for real-time playback and metadata display (genre, key, tempo, BPM)

LEADERSHIP EXPERIENCE

Computer Science Society LU

Jan. 2024 - Present

Project Manager

- Lead weekly meetings for projects maintenance and set goals for new features
- Contribute to frontend development of University website. Lead and assign different roles to the members of the group to achieve an improved version of the university website