

# Sandra Martinez Dominguez

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## Personal Bio

Master's graduate in Information Technology with a specialisation in Business Intelligence and additional professional training as a full-stack software engineer. My experience as engineer has given me a unique perspective on industry challenges, recognising the scarcity of adept professionals bridging business requirements with software innovation. Realising this encouraged me to pursue a career in technology, particularly in data analysis. Excited to explore this field in its pure form or as a software engineer.

## Key Technical Skills

- **Coding and computer programming** – Proficient in Java, Spring Framework, IntelliJ, VSCode, HTML, CSS, JavaScript, React, React Native, Android Studio, as well as use of RESTful API, Git and Github technologies, pair and mob programming, as part of a full-stack software engineering bootcamp.
- **Data Analysis** – Proficient in R, R Studio, SQL, PostgreSQL, PowerBI, Tableau (Tableau Creator & Tableau Cloud), and Microsoft Office (including Excel). Applied these skills in the coursework for two university modules: Data Visualisation and Analysis, as well as Data Warehousing.
- **Continuous Learning** – Advancing skills through Tableau's Analyst Path, Codecademy's Business Intelligence Data Analyst Career Path and Microsoft Azure Data Fundamentals as well as crafting my portfolio at <https://sandramtzd.github.io/>

## Education

**MSc Information Technology with Business Intelligence** | *Robert Gordon University* **09/21 – 09/22**  
Aberdeen, Scotland.

## Professional Training

**Full-Stack Software Engineering Bootcamp** | *Bright Network Technology Academy* **07/23-09/23**

### Relevant Projects:

- **Full-Stack Group Project** – Developed a responsive warehouse management system optimising delivery fleets, by automatising order sizing and truck assignment logic, based on a business scenario: [https://github.com/RNWalker/capstone\\_backend\\_project.git](https://github.com/RNWalker/capstone_backend_project.git)
- **Front-End Group Project** – Developed a React application to interact with a virtual pet through a RESTful API: [https://github.com/GeorgiaCD/Frontend\\_pet\\_react\\_app.git](https://github.com/GeorgiaCD/Frontend_pet_react_app.git)
- **Back-End Group Project** – Developed a RESTful API for a restaurant recommendation platform enabling user-specific restaurant suggestions based on location and cuisine preferences: [https://github.com/cbattenplowright/annas\\_restaurant\\_recommender.git](https://github.com/cbattenplowright/annas_restaurant_recommender.git)

## Employability Skills

- **Project planning and delivery** – Led the implementation of a business solution during my experience as Quality Engineer Coordinator at KONE Mexico, incorporating a digital platform streamlining quality reporting processes. Achieved real-time statistical data acquisition, resulting in a significant 93% reduction in monthly administrative workload.
- **Teamwork** – I collaborated within diverse and multidisciplinary teams in an agile environment. For instance, I participated at Hack For Change by Bright Network, developing a mental-health AI-powered application. Our team's efforts were recognised, and we were awarded a prize of £3,000.
- **Leadership** – Leading a team of 9 testers at KONE Mexico, I boosted elevator quality inspection coverage by 143% in 9 months, surpassing key performance indicators.
- **Languages** – Effective communication in both English (fluent) and Spanish (native).

## Achievements, interests and Roles of Responsibility

- Women in Tech Global Conference 2024 | WomenTech Network | Online 04/24
- Future Leaders Programme | The British Chamber of Commerce | Mexico – UK 10/21–05/22
- Women in STEM Scholarship | British Council | Scotland, UK 09/21–09/22
- Company Wide Quality & Productivity Management | JICA Scholarship | Nagoya, Japan 01/17–09/17