

# Eriz Yusuf

Python developer

Santiago, Region Metropolitana

+56 928893542

eriz.yusuf@outlook.com

## Personal Statement

As a **Python developer**, I thrive on learning and growth. My strength lies in **problem-solving** and **analytical thinking**—whether it's unravelling complex data or embracing new challenges. I'm driven to create impactful solutions and continually expand my skill set

## Technical Skills

**Excel:** pivot tables, graphs, macros

**SQL:** database management and admin, created tables

**Agile and scrum**

**Oracle (SQL)**

**Python** (streamlit, pandas, plotly, matplotlib)

## Employment History

**ALAN MCFETRIDGE PHOTOGRAPHY LTD, Data scientist / Python Developer Feb 2022-Aug 2022**

- Leveraged **Python for Data Extraction** and Manipulation: **Utilized Python Version 3.9.7** for extracting and manipulating datasets sourced from NASA and ESA satellites, employing **Pandas(1.3.5)**, **Plotly(5.8.2)**, **Streamlit(1.12.0)**, **Google Earth Engine API (0.1.315)**, **Folium(0.12.1.post1)**, and **Matplotlib(3.5.2)** for **thorough data analysis and visualization**.
- Developed Scripts for Fire Outbreak Detection: Engineered scripts that allowed targeted searches within datasets, specifically aimed at detecting fire outbreaks by manipulating image layers. This proactive approach facilitated early fire detection and response.
- Efficient Selection of Satellite Data: Engineered customized functions to streamline the selection of precise satellite data, optimizing the process for comprehensive analysis.
- In-Depth Analysis of **MODIS, Sentinel-1, Landsat, Landsat-8** and **Sentinel-5 Data: Analysed data extensively**, producing graphs and visualizations that effectively highlighted trends and variations over time, contributing valuable insights into air quality and atmospheric conditions.
- Comprehensive Reporting: Produced comprehensive reports utilizing spreadsheet tools to effectively communicate complex data findings to stakeholders, ensuring clarity and understanding of the analytical outcomes.
- Creation of Public-Facing Educational Website: Developed a public-facing website **using Streamlit**, offering educational resources on fire-related topics and showcasing satellite imagery of affected areas for public access, enhancing awareness and understanding.
- Administrative Support and Compliance Adherence: Provided assistance in administrative tasks including timesheet management, goal setting, and planning. Ensured strict adherence to GDPR standards during the handling of third-party data, maintaining data protection and ethical practices throughout all processes.

**Advice Support Knowledge Information, IT Technician Jul 2021-Aug 2022**

- Installed key technologies, especially payment systems, for smooth operations.
- Aided the manager in handling customer orders efficiently.
- Revamped old devices, boosting functionality for cost-effective use.

**Robert Levy foundation, Car Engineer and mentor July 2018-Jan2023**

- Hands-on car servicing program: Mastered tire changes, meticulous oil checks, and brake inspections, enhancing vehicle safety standards.
- Proficiency in car computer diagnostics: Identified and resolved technical issues, refining problem-solving abilities for effective maintenance.
- Youth education in car maintenance: Taught essential skills like tire changes and brake checks to ages 13-16, promoting responsibility and practical knowledge.
- Go-kart repairs and maintenance: Conducted meticulous oil checks and engine component replacements, ensuring optimal performance.
- Developed technical skills and mentored youth, fostering a passion for automotive care and skill development.

## **Education**

*Studied in United Kingdom, England London*

**Structured Cabling Systems Fundamentals, Udemy**

**Jan 2023**

**BSC Computing, 1:1, University of Greenwich**

**Sept 2018 - June 2021**

*Relevant/Final year/Core modules:*

- Agile Development with **SCRUM**- Used **Agile methodology** with scrum to develop a website for a taxi company, languages include **SQL** and **HTML** with some **PHP**
- Database System Development (used **MySQL** to create a database and created **joins** to tables using various techniques)
- Information Visualization (used python libraries such as **plotly**, **pandas** and **streamlit** to visualize mock store data)
- Principles of Security (learn about the threats that large businesses could face and discussed key methods to reduce/stop threat)
- **Database Management and Administration** (used **oracle** and **SQL**, learn how to **manage databases**, and take care of data)

Information Analysis (Used **Excel**, **MySQL**, and **tableau** to **visualize data** and find relevant patterns and trends about the companies)

*Final year project/Dissertation:*

Interactive website for displaying popular genres and games (used python libraries such as **Streamlit**, **plotly**, **pandas** to create an interactive website dashboard for users to find out which are the most popular games of all time, the data used was from Twitch and Various websites)

**D\*DD BTEC Level 3 Engineering**  
**7 GCSEs Grades A – C (including English and Mathematics)**

**Sept 2016-June 2018**  
**Sept 2011- June 2016**

## **Languages**

- English - Native (C2)
- Spanish -Basic (A1)
- Turkish- Intermediate (B1)

## **Hobbies and Interests**

I'm passionate about helping others, actively involved in charities supporting the elderly and advocating for the safety of young people against knife crime. I'm also a tech enthusiast, enjoying crafting projects in my free time. It's about caring for others and pursuing my love for technology.

**References available upon request**