

Georgia Sapsani

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<https://github.com/GeoSap93>

SKILLS

Programming Languages:	Python (Pandas, NumPy, Scikit, Matplotlib, Seaborn, Plotly)
Databases:	MySQL, SPSS
BI & Visualization Tools:	Tableau, Datawrapper, MS Excel (Pivot Table, VLOOKUP, Conditional Formatting)

PROJECTS

Data Science 20 Weeks Bootcamp Projects (May 2024 - October 2024) - Code First Girls

Degree (May 2024-August 2024)

Foundation

1. **Git & GitHub** (Git commands - git push, cloning, branches, pull request, fetch, fork, merge conflicts, README.md)
2. **Python** (Project: "Anime Trivia Console App")
3. **SQL** (Project: "AHS School Database")
4. **APIs** (Project: "Binham Members Club API")

Specialisation

5. **Group Project: "Analysing Sports Popularity based on Olympic athletes and medals"**
(Data Mining & Cleaning, Agile Development Approach, Data Analysis, Exploratory Statistics, Correlations & Machine Learning Modelling)

+Masters - Data in Business (September 24 - October 24)

1. **Group Project: "Spotify - World Music Tracks & Characteristics"**
Exploratory Data Analysis, Univariate & Bivariate Analyses, Statistical Tests, Correlations & Regression Analysis, Visualisations with Tableau, DataWrapper and Plotly)
2. **Individual Report: "Machine Learning in Social Media"**
Challenges in ML for Social Media, Opportunities & Advantages, Real World Examples & Case Studies, Recommendations for Overcoming Challenges

Machine Learning (Object Detector - CFG Course Project)

December 2023

- Worked on identifying objects within a series of images (laptop, monitor, keyboard, mouse, football, bee, train, letter M and T in relevant databases with the use of **TensorFlow, cv2 and NumPy (Python)**)
- Simplified the supply in new images and reported visible objects from the given list

Solving Problems with Python (Reverse Engineering - CFG Course Project)

December 2023

- Analysed 6 obfuscated Python Scripts and produced a short report describing what each **Python** program is designed to do importing sys modules for system-specific parameters and functions.
- Revised the scripts to be more user-friendly and comprehensive with the use of **Python** programming language
- Identified process and methods used when reverse engineering the programs.
- Recognised techniques or tricks were used by the program to make reverse engineering more difficult.

Global Hunger Analysis (SQL - CFG Course Project)

November 2023

- Analysed the database "Global Hunger" from Kaggle by inserting csv file in **SQL** and creating tables with the use of primary and foreign keys to form connections visible on the diagram.
- Created **inner join** combining 3 different tables and **stored functions** summarising the items and the countries produced a low, good or excellent amount of food in a specific year of research.
- Manipulated the database by working on **subqueries, stored procedures, views** and **queries with group by** area and item. Calculating the average, maximum and minimum amount produced while gaining insights on food production worldwide.

Sales & Expenditure Analysis (Python - CFG Course Project)

October 2023

- Imported csv file and read the data of the database with the use of **Python**
- Collected the monthly sales into a single list and output the total sales across all months by creating functions
- Calculating monthly changes as a percentage, average, months with the highest and lowest sales
- Developed two visualisations using **Seaborn** and **Matplotlib**, displaying both monthly expenditure and sales of the company to gain insights on company's performance demonstrating the months with most and least sales and the expenditure patterns of the company

WORK EXPERIENCE

Ashton House Preparatory School
EYFS Lead/ EYDSL/ SLT with Social Media & Website Responsibility

London, UK
September 2022 - Present

Park Lane Primary School
Class Teacher

London, UK
September 2020 – August 2022

Little People Montessori Nurseries
Montessori Class Teacher/ Deputy Manager

London, UK
July 2018 – August 2020

The Lloyd Williamson Schools
Class Teacher

London, UK
June 2017 – July 2018

COURSES

“Agile & Scrum”

February 2024

Introduction to Agile & Scrum, Sprints, Teams and Ceremonies, Jira, Scrum in real life

“Machine Learning”

November 2023

Introduction to Machine Learning, Types of Machine Learning, K-Nearest Neighbors, Linear Regression

“Solving Problems with Python”

November 2023

“Data & SQL”

July 2023

“Python & Apps”

May 2023

EDUCATION

Data Science (Level 5)

Merit, Code First Girls (UK)

October 2024

Q.T.S issued by the UK National College for Teaching and Leadership
Teacher Ref. Number: 1746489

July 2017

MSc (Hons) / Natural Sciences, Mathematics and ICT in Education

Grade 1st, First Class, University of Patras (Greece)

June 2017

BA (Hons) / Early Childhood Studies

Grade 2:1, Upper Second Class, University of Patras (Greece); approved by UK Naric as equivalent to a British BA Hons Degree.

July 2015

INTERESTS

Chess, Tennis, Travelling