

# Georgia Sapsani

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<https://github.com/GeoSap93>

A versatile data professional, recently graduated with a +Masters and Data Science Level 5 degree, and 20 weeks of intensive experience completing a range of projects including Python and SQL. Formerly experienced teacher with a range of transferable skills including excellent time management, extensive organizational skills, ability to work under pressure and independently, and impressive attention to detail. Currently looking for career opportunities in Data Science.

## SKILLS

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<b>Programming Languages:</b>	Python (Pandas, NumPy, Scikit, Matplotlib, Seaborn, Plotly)
<b>Databases:</b>	MySQL, SPSS
<b>Visualisation Tools:</b>	Tableau, Datawrapper, MS Excel (Pivot Table, VLOOKUP, Conditional Formatting)

## EXPERIENCE

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### Data Experience

**Code First Girls – Career Switch Coding Course (evenings and weekends)**

**May 2024 - October 2024**

### **Data Science Degree**

#### **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**

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

### Other Experience (London, UK)

#### Ashton House Preparatory School

EYFS Lead/ EYDSL/ SLT with Social Media & Website Responsibility

September 2022 - Present

#### Park Lane Primary School

Class Teacher

September 2020 – August 2022

#### Little People Montessori Nurseries

Montessori Class Teacher/ Deputy Manager

July 2018 – August 2020

#### The Lloyd Williamson Schools

Class Teacher

June 2017 – July 2018

### EDUCATION

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#### +Masters – Data in Business

Code First Girls (UK)

October 2024

#### Data Science Degree (Level 5)

Merit, Code First Girls (UK)

August 2024

**Q.T.S** issued by the UK National College for Teaching and Leadership

July 2017

**Teacher Ref. Number:** 1746489

#### 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

### COURSES

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#### “Agile & Scrum”

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

February 2024

#### “Machine Learning”

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

November 2023

#### “Solving Problems with Python”

November 2023

#### “Data & SQL”

July 2023

#### “Python & Apps”

May 2023

### INTERESTS

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Chess, Tennis, Travelling