

# Rosa Pereira

## Junior GIS Analyst

Geography graduate from Newcastle University with a summer placement at a local authority planning department. Created **60+ thematic maps** and spatial analysis outputs using ArcGIS Pro and QGIS, supporting planning applications, flood risk assessment, and green infrastructure projects. Proficient in spatial analysis, Python scripting (ArcPy), and remote sensing with a **2:1 (66% average)** and a passion for using geospatial data to support evidence-based decision-making.

## SKILLS

ArcGIS Pro & ArcGIS Online • QGIS • Python (ArcPy, GeoPandas) • Spatial Analysis & Geoprocessing • Remote Sensing (Sentinel, Landsat) • Cartographic Design • Database Management (PostGIS, SQL) • Data Visualisation • Coordinate Systems & Projections • Microsoft Excel • Report Writing • Attention to Detail

## LANGUAGES

English - Native • Portuguese - Conversational (B1)

## EXPERIENCE

GIS Placement Officer, Newcastle City Council, Newcastle upon Tyne

Jun 2025 – Aug 2025

Completed a 12-week placement within the Planning and Environment GIS team.

- Created **60+ thematic maps** for planning reports, conservation area appraisals, and public consultation documents
- Conducted **8 spatial analyses** including buffer zone calculations, site suitability modelling, and flood extent mapping
- Developed **3 Python scripts** (ArcPy) to automate repetitive data cleaning and map export workflows, saving **5 hours per week**
- Updated and maintained **12 GIS datasets** including land use, tree preservation orders, and listed buildings

Library Assistant (Part-time), Newcastle University Robinson Library, Newcastle upon Tyne

Sep 2023 – May 2025

Worked desk shifts and assisted with library operations alongside university studies.

- Assisted an average of **50 visitors per shift** with enquiries, printing, and inter-library loan requests
- Processed **200+ book returns per shift** and maintained shelving accuracy across 3 floors

## EDUCATION

BSc (Hons) Geography in Geography (Physical & Human), Newcastle University, Newcastle upon Tyne

Sep 2022 – Jul 2025

Graduated with Upper Second Class Honours (**2:1, 66% average**).

- Dissertation on using satellite imagery to monitor urban green space change in Tyneside (2010 to 2024), graded **72%**
- Relevant modules: GIS & Spatial Analysis, Remote Sensing, Environmental Modelling, Quantitative Methods, Urban Geography

## CERTIFICATIONS

Esri ArcGIS Desktop Associate (in progress), Esri

Oct 2025 – Mar 2026

RGS Chartered Geographer (Student Pathway), Royal Geographical Society

Aug 2025 – Aug 2025

## PROJECTS

Urban Green Space Change Detection - Dissertation

Sep 2024 – Apr 2025

Used Sentinel-2 satellite imagery to quantify changes in urban green space across Tyneside between 2010 and 2024.

- Processed **24 satellite images** and classified land cover using supervised classification in QGIS
- Identified a **7.3% decrease** in green space in urban wards, correlating with planning approval data from the local authority

## EXTRA CURRICULAR ACTIVITY

Committee Member - Newcastle University Geography Society

Sep 2023 – Jun 2025

Organised **4 fieldwork trips** and **3 career workshops** on GIS, planning, and environmental consultancy for **60+ students**.