

PERSONAL STATEMENT

Motivated and detail-oriented geography student with a unique blend of geospatial and computing skills. Strong foundation in interpreting geographic patterns and environmental changes using satellite imagery and cartographic tools. Developed confident technical skills during 3 years of Computer Science education, gaining programming and data management skills. Committed to continuous learning, teamwork, and maintaining high standards of data integrity in both fieldwork and digital environments. Passionate about biodiversity and environmental conservation, with active involvement in citizen science.

EDUCATION

BSc Geography – Aberystwyth University Predicted 2:1	2024 - 2028
BEng Software Engineering – Aberystwyth University 1:1 (76%)	2023 - 2024
Level 3 Extended Diploma – IT, Programming and Cyber – Matthew Boulton College Distinction* Distinction* Distinction	2021 – 2023

EXPERIENCE

iNaturalist Citizen Science Contributions	Ongoing
<ul style="list-style-type: none">Logged numerous flora and fauna sightings across the local area using the iNaturalist platform.Identified and classified species, contributing to community science and ecological research.Developed observational and documentation skills applicable to environmental monitoring.	
Glaciology Mapping Project	2025
<ul style="list-style-type: none">Mapped extent of Grinnell Glacier across a 7-year period using Google Earth Pro and satellite imageryCreated planimetric maps and longitudinal topographic profiles to visually compare glacier boundaries and elevation change.Calculated area change, percentage change and rate of glacial retreat using spreadsheet analysis.Interpreted spatial patterns of glacial melt and potential links to climatic processes, supported by elevation data.Conducted repeated measurements to ensure data accuracy and reflected on limitations and uncertainties in glaciological data.	
Field Data Analyst Project	2024
<ul style="list-style-type: none">Created proportional and choropleth maps using ArcGIS Pro to visualise environmental hazards across Welsh counties (e.g. fly-tipping incidents, flood risk zones).Conducted spatial analysis to assess geographic trends in relation to socio-economic factors such as urbanization and deprivation.Interpreted map outputs in written reports using statistical and visual evidence.	
Sales Assistant Morrisons	2024
<ul style="list-style-type: none">Maintained well-organized and fully stocked shelves by efficiently unpacking and rotating merchandise.Delivered friendly, professional customer service and assisted customers in locating products.Operated tills accurately, processing transactions and handling cash, card, and voucher payments.Collaborated with colleagues to complete daily store targets while ensuring compliance with health and safety standards.	
AWS Project	2021 – 2023
<ul style="list-style-type: none">Led a team as project manager to develop a technological solution to a societal issue, demonstrating strong leadership and organizational skills.Collaborated with the team to design a user interface (UI) in Figma and conducted data-driven research to solve a complex problem.Communicated and presented a winning solution to a panel of 150 judges, earning awards for "Best Presentation" and "Best Overall."	

SKILLS / SOFTWARE

Geospatial & Environmental: GIS mapping, spatial analysis, remote sensing, data collection.

Data and Technical: Data analysis, spreadsheet modelling, programming fundamentals, data management, report writing.

Design and Communication: Design and prototyping, public speaking, written communication, teamwork, leadership, problem solving.

Professional Competencies: Time management, organisation, attention to detail, adaptability.

Software Proficiency: ArcGIS Pro, Google Earth Pro, Microsoft Office Suite,