

# Caleb Rowlands

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## EMPLOYMENT HISTORY

### **Structural Soils (RSK) (November 2017 - September 2022)**

#### **Ground investigation Reporting Engineer (April, 2019 - September, 2022)**

Ensuring that primary site data such as driller's and engineer's records, in situ test, monitoring and data logger test data is collated, saved and transmitted to company or client representatives in a timely fashion. Carrying out quality assurance checks of this data. Processing raw site data to produce report deliverables using various software including: the gINT geotechnical database, Microsoft Office, specialist software relating to devices such as groundwater level loggers and slope inclination measuring tools. Carrying out technical reviews of processed data. Preparing and issuing technical data and reports for clients. Assessing and dealing with client data queries. Assisting project reporting and project management teams as necessary.

#### **Ground Investigation Data Processor (Nov, 2017 - April, 2019)**

Typing of handwritten field data and importing electronic data files into software. Exporting/outputting the results using the software into report quality deliverables. Carrying out quality checks on the information, both at input and output stage. Communicating with other staff verbally, either directly or by phone, and by email where necessary. Working with colleagues in the data processing team to meet deadlines and manage and prioritise workload appropriately.

### **Instituto Volcanológico de Canarias (INVOLCAN) (Sept 22nd - Oct 20th, 2017)**

#### **Geochemistry Intern**

Conducted scientific collaboration work in the field of geothermal exploration by means of soil degassing surveys. Key roles included collection of soil gas samples for chemical and isotopic analysis, the application of statistical-graphical analysis on the diffuse degassing and chemical analysis of the collected soil gas samples. An important aspect of the work was participation in post-processing of the data which included; typing of handwritten field data, Importing electronic gps/data files into software, exporting/outputting the results using software, carrying out quality checks on the information, both at input and output stage.

### **Ski Beat (November 28th, 2019 - April 6th, 2020)**

#### **Chalet Host**

I was responsible for the daily management of a 14-man chalet while ensuring the smooth running of all catering and hospitality services. This was a fast-paced client-oriented role demanding excellent customer service, a positive professional demeanour and excellent organisation. Being the first port of call for guests, problem-solving and communication skills were essential in rectifying issues as quickly and efficiently as possible. Implemented Lean principles including weekly reporting and assisting other team members in resort.

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## EDUCATION

### **MSc Computing - Cardiff University (2022-Current)**

Although the course is in progress, I have already developed diverse set of skills in software development through various projects. I am proficient in HTML, CSS, JavaScript, Python/Flask, MySQL and familiar with Bootstrap. I have a solid understanding of software development methodologies and best practices through completing a software business plan team project, which I believe has prepared me well for job in software development industry.

### **BSc (Hons) Geology- University of Plymouth (2014-2017)**

**1st Class Honours**

Key subject areas studied: Geophysics, Structural Geology, Volcanology and Igneous processes, Geological Mapping, Metamorphic Geology, Geological Information Systems (GIS) and Remote Sensing, Rock Description and Classification, Mineralogy and Petrographic Analysis.

**Final year Geological mapping project** (Montagne Noire, Southern France) -Awarded **1st Class (76%)**:

Conducted a **detailed structural analysis** of a large recumbent fold in low-grade Paleozoic sediments and reconstruct the tectonometamorphic history of its crystalline substratum. Demonstrated the ability to identify sedimentary structures, shear criteria and mineral assemblages in metamorphic rocks.

**Civil Engineering (Fdn. Yr) - University of Plymouth (2013/2014)**

**1st Class**

- ❑ Key subject areas studied: Applied Mathematics, Mathematical Methods, Geotechnics
- ❑ Use of Solidworks Software

**Ysgol Gyfun Bro Morgannwg (Barry, South Glamorgan)**

- ❑ **A-Levels:** Biology (C), Physics (D) **AS Level:** Maths (B) **Welsh Baccalaureate Higher Tier**
- ❑ **12 GCSE's** including Maths, Physics, Biology, Geography

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**OTHER EMPLOYMENT**

**Student Bar Staff - University of Plymouth Students' Union (2015-2017)**

**Student Ambassador - Plymouth University (2014-2016)**

**Assistant Tennis Coach- Cardiff Lawn Tennis Club (2012-2014)**

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**ADDITIONAL INFORMATION/ACHIEVEMENTS**

- ❑ **Palaeontological Association Undergraduate Prize 2015**
- ❑ **Best Performance Geological Mapping** - BSc (hons) Geology stage 2
- ❑ Inclusion on the **Dean's list for exceptional achievement** - BSc (hons) Geology; **(2015),(2016)**, and Civil Engineering Stage 0 **(2014)**
- ❑ **Elected Men's 1st team captain** - University of Plymouth Tennis Club 2015-2016
- ❑ **Elected Treasurer** - University of Plymouth Tennis Club 2016-2017
- ❑ **Bilingual: English/Welsh**

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**REFERENCES**

Available on request