

## PERSONAL PROFILE

I am a driven, confident and resourceful Mathematics graduate with extensive experience using Python and Matlab to create, analyse and solve mathematical models which I can apply to various problems within technology, software development and data analysis. As an ex-professional athlete I am looking to combine my disciplined nature, attention to detail and excellent organisation and time management skills to a role where I can make a difference.

## EDUCATION

### MSc Advanced Mathematics -Distinction

#### University of Exeter - 2021-22

- I was awarded the MSc Project Award for the highest grade in my cohort for my dissertation titled Turing Pattern Formation in Clouds (84%);
- I used Python and Matlab extensively to study and solve complex mathematical models;
- I studied a range of topics including Data, Statistics, Climate, Biology and Finance, achieving a 1st class grade in 92% of my modules.

### BSc Mathematics and Physics - 1st Class

#### University of Exeter 2018-2021

- First class grade in my Python-based dissertation;
- I studied Fluid Dynamics, Differential Equations, Biophysics, Climate Science and Nuclear Physics in depth.

### A-Levels Llandovery College 2016-2018

Chemistry - A\*  
Mathematics - A  
Physics - A  
Further Mathematics (AS) - A

## Languages and Libraries

- **Python** - I used this extensively both within my degrees and outside. Some libraries I'm skilled at using include *Pandas*, *Scipy*, *Django*, *Flask*, *Numpy*.
- **Matlab** - I used this to create, analyse and solve complex models throughout my degree.
- **SQL** - Experience in using MySQL in a variety of different settings.
- **HTML, CSS** - I have used these alongside Bootstrap to create dynamic front-ends to webpages and applications.

## WORK

### Professional Rugby Player

#### Cornish Pirates 2022-2023

After being a Sports Scholar and first team captain at university I joined the Cornish Pirates as a full time professional athlete. Retired due to injury.

Team-working Leadership Work-Ethic

### Charity Volunteer

#### Farthing Trust 2020-present

I have worked within the charity, the Farthing Trust, which partners with a number of charities both domestically and abroad. Some of my work includes:

- Data analysis of financial data using Python and Excel before presenting the findings to the board of trustees.
- Researching and responding to charities that wish to partner with the trust.
- Meeting current partners of the Trust to review how supported projects are progressing.

MS Excel Skills Data Analysis

### Teaching Assistant/ Tutor

#### Various Locations 2021-2023

I taught mathematics and science from GCSE to undergraduate both online and in person as a part time tutor. I also completed a summer internship as a teaching assistant at Cranbrook Education Campus.

Organisation Time-management Communication

## OTHER INFORMATION

- I have the right to work in both the UK and EU.
- I hold a valid UK driving license;
- Fluent Welsh speaker;
- A member of my university department's Environment and Climate Emergency Group;
- Sports Scholar at Exeter University (2018-2022);
- Deputy Head Boy of Llandovery College (2017-2018);
- I enjoy rock climbing, skiing and surfing as hobbies.