

# Rhys Shaw

## Astrophysicist, Data Scientist and Developer

Last update: August 9, 2022

The online version is available at

<https://RhysAlfShaw.github.io/CV>

### Residence

Wales, UK

### Homepage

### Email

[rhysalfshaw@gmail.com](mailto:rhysalfshaw@gmail.com)

Astrophysics	++++	Mathematics	++++	Computational Physics	++++	Python	++++	Fortran	+++	JavaScript	+++
CSS	++	HTML	+++	React.js	+++	Node.js	+++	Problem Solving	++++	Intuition	++++
Linux	++++										

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## Professional Experience

### MSc Project: Studing the effect of Substructure in Star Clusters.

2021

Simulating a planetary system orbiting solar mass stars within a fractally substructured cluster using a dual integrator approach, where the cluster was integrated with NBODY6++ and star positions interpolated for use by the planetary integrator.

Python Linux Fortran Computational Physics Problem Solving

### BSc Project: Examining Galaxy Cluster Properties from seperatly selected samples.

2020

Measuring galaxy cluster morphology, with a custom algorithm, and their luminosity-temperature scaling relation with observational data from the Chandra observatory was done to compare two samples of galaxy clusters.

Python Data Analysis Linux Problem Solving

## Education

### Academic

2022-2026 | PhD Physics (Starting in September 2022) -- Research Area: Radiowave Astronomy and Machine Learning. University of Bristol

2020-2021 | MSc Data Intensive Astrophysics, Distinction. Cardiff University

2017-2020 | BSc Physics with Astrophysics (2.1). University of Bristol

### Other

2022 | Zero to Mastery Web Development in 2022 online course. Udemy