Rhys Shaw
Astrophysicst, Data Scientist and Developer

Last update: August 9, 2022

The online version is available at
 https://RhysAlfShaw.github.io/CV

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Wales, Uk

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

insert personal profile

Professional Experience

MSc Project: Studing the effect of Substucture 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` `Fortan` `Computational Physics` `Problem Solving`

[Project Files](#)

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`
[Project Files](#)

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