

# ROBYN CLARK

System Administrator



## WHO AM I?

I am a Computer Science student at the University of Hull with a passion for Linux and System Administration. I enjoy working alongside others and am happy to help them with problems or concerns they may have. I like exploring various solutions to a problem to determine which would work better for the given situation.

## EXPERIENCE AND VOLUNTEERING

- 2022 – 2023 **Web Developer** **Hull Computer Science Society**  
As Webmaster at HullCSS it is my responsibility to:  
- keep the website up to date with events and details  
- manage the HullCSS GitHub organisation  
- teach Git to society members  
- advise on security and contribution policies for the society.
- 2022 – Present **Linux System Administrator** **Freeside**  
As an admin at Freeside - the student run Linux user group - at the University of Hull I have had the opportunity to contribute to some of their projects like the Student Resource List as well as getting involved with system administration. Services managed include (all of which run Fedora Server or Fedora Workstation):  
- two docker servers for managing containers for handling both internal and society services  
- a FreeIPA server for user management  
- a web server for hosting Freeside's websites and exposing services to the university's network  
- a storage server for members' home directories  
- a handful of desktops in our lab
- 2022 – 2023 **Bar Staff** **Hull University Students Union**  
Bar Staff at HUSU Wetherspoons
- 2021 – Present **Computer Science Course Representative** **Hull University Students' Union**  
As a course rep for Computer Science, part of my role involves liaising with students and university staff about the quality of the course. From this I have expanded my communication skills.

## EDUCATION

- 2021 – Present **Bachelor's Degree** **University of Hull**  
Currently in my second year of Computer Science. Modules include:  
First Year:  
- Algorithms and Data Structures  
- Programming Portfolio  
- Computational Thinking  
- Professional Development  
- Architectures, Operating Systems and the Cloud  
Second Year:  
- Databases and Networks  
- Design Develop Deploy  
- Artificial Intelligence  
- User Interfaces and Experience  
- Advanced Programming
- 2019 – 2021 **A-Levels** **York College**  
Studied Computer Science (C), Sociology (A) and Psychology (C)
- 2014 – 2019 **GCSE's** **York High School**  
Computer Science – 7  
English Language, Physics, Chemistry, Maths – 6  
Biology, History, French – 5  
English Literature – 3

## PROJECTS

I spend a lot of my free time coding and working on server admin, below is a list of some projects I have worked on / am working on.

2022 – Present	<b>VPS</b> Managing a VPS which runs services for my website. These include: <ul style="list-style-type: none"><li>- Gitea for Git backups, along with a side container for mirroring my GitHub to it</li><li>- My blog built with the Zola static site generator</li><li>- LittleLink (open source self hosted linktree) for links.crimsonstome.com</li><li>- nginx - for proxying services to my domain</li><li>- Docker Swarm/Compose for managing services</li><li>-A handful of game servers</li></ul>	<b>Personal</b>
2021 – Present	<b>System migration repository</b> A repository containing an experimental bash script for migrating packages and git repos from one machine to another	<b>Personal</b>
2021 – 2022	<b>Virtual machine server</b> Maintaining a Proxmox Virtual Environment server. VMs include: <ul style="list-style-type: none"><li>- unifi controller</li><li>- gitea</li><li>- TrueNAS</li><li>- OPNsense</li></ul>	<b>Personal</b>
2021 – Present	<b>Blog site</b> Developing a personal blog to document what I get up to. Created using Zola and hosted on my VPS	<b>Personal</b>
2021 – Present	<b>Student Resource List</b> Contributing to Freeside's Student Resource List, a collection of computer science related resources created by staff and students at the university of hull	<b>Freeside</b>
2021 – 2021	<b>Web Scraper</b> A basic image scraper written in Python using Requests and BeautifulSoup to fetch images from a given site	<b>Personal</b>
2020 – 2021	<b>Sorting and Searching algorithm visualiser</b> A-level Computer Science project written in C# as a Windows Forms Application. Sorts included are Bubble sort, Insertion sort, Merge sort and Quick sort. Searches included are Linear search and Binary search	<b>York College A-Level coursework</b>