

## Technical Skills

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**Languages:** Rust, TypeScript/JavaScript, C#, C/C++, Elixir, Java, COBOL

**Scripting Languages:** Python, Fish, Bash, Nix, Lua, CQL/SQL

**Technologies:** Linux, Docker, Podman, Kubernetes, Nix(OS), Antilancy

**Tools:** Helix, Vim, Git, Github Actions, Ansible, Tofu/Terraform

**Methodologies:** Agile, Scrum, Kanban, Waterfall, Pomodoro

**Markup:** L<sup>A</sup>T<sub>E</sub>X, Markdown, HTML, CSS, SCSS, Org-Mode

## Experience

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**Computer Science Intern at Hull Uni** September 2024 - June 2025

- Responsible for development spanning multiple platforms (Embedded, Desktop and VR)
- Hands-on experience with various VR and Motion Capture Technologies
- Worked on high-throughput low-latency pub-sub data synchronisation services
- Developed my knowledge of networking, low-level and embedded programming
- Responsible for providing deliverables to be used in future projects as well as demonstrations

**Webmaster of HullCSS:** March 2023 - present

- Responsible for the Development and Maintenance of the HullCSS website and Discord bot
- Onboarded the Society Executives to be able to update information and maintain the website
- Worked with the treasurer to acquire new hardware for the society
- Set up linux and docker on the new hardware and have begun slowly migrating projects over
- Assisted other societies and student groups in setting up chatrooms and websites

## Education

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**University of Hull:** September 2022 - present

*Computer Science BSc (Hons) with industrial placement*

- Improved my understanding of OOP and design patterns in languages such as C++ and C#
- Developed and Maintained the website for the Hull Computer Science Society.
- Lead my groups effort in designing and building prototypes in my first-year group project.
- Learned how to use cloud providers such as Azure and Digital Ocean.
- Learned how to set up CI/CD pipelines to automatically build, test and deploy applications.
- Designed, Developed and Deployed multiple minimal viable products during second-year.

**Haberdashers Hatcham:** September 2020 - June 2022

*A-Levels: Computer Science, Maths, Physics, Further Maths*

# Projects

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## **NewT-Lang** June 2025 - present

*<https://github.com/newtlang>*

- I'm developing a markup language that is as simple as markdown, yet as flexible as  $\text{\LaTeX}$
- I'm implementing a custom Recursive-Descent parser to convert source markup to HTML
- I'm designing an extension API for users to implement their own macros and environments
- I'm investigating possible implementation in Web-Assembly for performance benefits
- The final product will be packaged and pushed to various package registries

## **LazyLink** January 2024 - present

*<https://demo.lazylink.dev>*

- Developed a simple, light-weight Linktree alternative and URL shortener with Astro
- Set up CD to automatically deploy it to cloudflare pages

## **Homelab** February 2023 - present

*<https://ashentwisle.com/posts/homelab>*

- Set up a homelab to host various services
- The homelab itself runs OpenSuse Tumbleweed
- So far, I have set up Jellyfin, OpenBot, NFS, a Minecraft Server and a few other services
- Set up a CD service to automatically updates all my services at 4am

## **PierceMC** October 2022 - 2023

*<https://github.com/PierceSMP>*

- Assisted in the configuration and maintenance of multiple gameservers
- Helped in the development of custom internal tools
- Assisted in the migration across hosting providers