

Lucas Hockley

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Education

University of Leeds · 2021 - 2024

Computer Science BSc - 1st Class

Hills Road Sixth Form College · 2018 - 2020

A Levels - Computer Science (A*) Mathematics (A) Physics (A) Extended Project (A)

Bassingbourn Village College · 2013 - 2018

GCSEs - 11 GCSEs 9-7, Chemistry (9) Mathematics (9) Physics (9) Geography (9) Latin (8) Biology (8) English Literature (7) English Language (7) Spanish (7) Art (7) Statistics (A)

Personal Projects

University Accommodation Reviews Site · 2024

- Live at accomreviews.co.uk, allowing users to read and write reviews for university halls across the UK
- Modern full stack web application built with **SvelteKit**, **Tailwind**, **Drizzle ORM** and **Lucia**
- Utilising **Amazon S3** for image storage, and **Coolify** to manage self-hosted resources, including a **PostgreSQL** and **Redis** database
- Developed a simple and secure passwordless sign-in flow, leveraging one-time passcodes delivered by email via **Resend**

TypeTest.io · 2020

- Popular web app allowing users to complete configurable typing speed tests, acquired by **WhatPulse** in 2023
- Amassed over **540,000** unique visitors and **1.8 million** sessions since launching in April 2020
- Statically hosted frontend built with **Vue** and **Nuxt** connected to an **Express** backend using **MongoDB**
- Implemented secure user authentication with **Passport** and an efficient global leaderboard system utilising self-balancing order statistic trees
- Created a Discord bot allowing users to automatically receive roles in a community server for achieving new personal records

Esports Organisation Ecommerce Site · 2021

- Bespoke application developed for an esports organisation, using the **Shopify API** to power an ecommerce store
- Combined the headless CMS **Strapi** and a statically generated frontend using **Nuxt** for flexibility and performance
- Gained invaluable experience working with clients, negotiating pricing and managing long-term projects

Extracurricular

Hackathons for Schools Summer Sprint · 2020

- Participated in a 5-day online programming sprint
- Lead a small team of 4 students creating a user authenticated web platform for learning programming languages
- Communicated and operated effectively to distribute tasks between team members

Work Experience

Meinhardt Engineering Intern - 2018

- Completed a 2-week internship at a multi-disciplinary engineering firm based in London
- Gained valuable insight into how multiple teams communicate and collaborate effectively within a large firm
- Shadowed across various sectors, observing and practicing the use of industry-leading software

Skills

- Strong knowledge of modern web technologies including **SvelteKit**, **Tailwind** and **Prisma**, as well as programming experience in **Python**, **Java** and **C**
- Comfortable with **Linux**, **Git** and **GitHub**
- Proficiency in **Figma** for designing application prototypes

Interests

- In August 2023, I purchased a 1997 Toyota Celica, and have since been learning how to restore the car - teaching myself everything from oil changes to manifold repairs. I've also taken the car on road trips across the continent, exploring from the Scottish Highlands to southern Switzerland.
- I love playing English pool, going as far as competing against other universities in the BUCS Eight-Ball Championship in February 2024