

Luke Crowley

Education

University of Sheffield | Computer Science with Software Engineering (BSc) **Overall grade: 1st** 2022 – 2026

Year 1 modules (completed): : Introduction to Software Engineering, Java Programming, Foundations of Computer Science, Algorithms and Data Structures, Web and Internet Technology, Machines and intelligence

The Arthur Terry School | A Levels

Mathematics(A), Physics(B), Computer Science(B), Extended Project Qualification (B)

Skills

Programming

Java: Java Swing, JUnit , Ruby: Sinatra, Python, HTML, CSS, JavaScript , SQL, SQLite, Git

Design

Figma, Fusion 360, Balsamiq (wireframing)

Other

Driving license, Microsoft office, Excel

Software Projects

Book Store application

September 2023

– July 2024

- Collaborated with a team of 6 students to design, develop, and deploy a web application that enables users to purchase and upload their own stories
- Successfully deployed a functional web application that met project requirements
- Gained experience working with a team to deliver a complex project over an extended period of time
- Organized and participated in regular team meetings, contributing to discussions on project scope, timelines, and technical challenges
- Contributed to the report and to writing the documentation for the system
- **Technologies Used: Ruby(language), SQL(database management), Git(Version control)**

Global Engineering Challenge

January

2024

- Worked in a multidisciplinary team of 6 students from other engineering related departments
- Proposed a solution to use digital technology to increase resilience to the effects of climate for a remote village in Cambodia
- Presented our solution to a panel of judges
- Met online and presented to a representative of the challenge organisers daily

HackSheffield8 | Artificial Intelligence Profanity filtering

November 2023

- Participated in a HackSheffield8 hackathon (26hrs to design and complete a project)
- Worked as part of a team of 4 students to create a system that could filter out rude hand gestures in real time and detect profanity in speech, then subsequently remove this from subtitles.
- Gained experience working under pressure
- Used Google's MediaPipe to process hand gestures in real time and trained an AI to recognise certain hand gestures
- Learnt the importance of planning and delegating tasks

GreenPower

February 2021

- Participated in the GreenPower schools scheme
- Worked with an electric go-kart designed for racing
- Designed upgrades for sensors on an electric go-kart to increase race performance
- **Awards: Design, Manufacturing and Systems Unit for Formula24 - Siemens Ford**

Employment

TEACHING ASSISTANT | Code Camp

April 2023 –

July 2023

- Assisted in the running of an after-school club that taught primary school children (8-11yrs old) the basics of coding and how to make games.
- Worked closely with the lead teacher to plan and deliver lessons.
- Assisted with classroom management, including supervising students and maintaining a safe and respectful learning environment.

RETAIL ASSOCIATE (WEB SECTOR) | FULL TIME |

REBEL SPORT & BRISCOES (BRISCOES GROUP) (NEW ZEALAND)

October 2022 – January 2023

- Ensured parcels were picked, packaged, and sent efficiently and accurately.
- Used and navigated industrial software.
- Maintained knowledge of products and sales promotions
- Assisted customers with problems relating to their orders.
- Managed delegation to shop floor workers for item picking.
- Communicated with other stores throughout the country to work together and resolve issues.