



About me

I am very service orientated for example I have shown this both in school clubs and working as a Teaching Assistant to younger years, where I was part of a team. I am enthusiastic about being friendly and a hard-working asset to a team as well as bringing a sense of community to whatever I apply myself to.

I have a proven history of delivery, resilience, and reliability where I've achieved and never had any unapproved absence nor late minutes in school despite having severe food allergies, I am dedicated to carry this on.

I am proactive and fast learner, having the ability to apply my knowledge and skills to a variety of different situations and experiences. I am proficient in design thinking, with a creative outlook, and enjoyed working both individually and with other programmers on diverse projects that involved full stack development.

I am hard working and have a forward-thinking mindset, and I dedicate myself to study, work and activities.

Education

Undergraduate in Computer Science (+year in Industry) University of Nottingham | 2022-2026 graduation

- Year 1 Grade: 1st (77%)
- Year 1 Achieved 91% in AI, 89% in Systems and Architecture and a 1st in Linear Algebra
- Developed a keen interest in requirements engineering, UML and different design basis, C, Networking technologies and functional programming.

Abbeyfield School | 2015 – 2022

- 2022: Achieved Three A levels and an EPQ:
 - Computer Science (A),
 - EPQ on Formula 1 engineering (A*),
 - Science extended diploma level 3(Distinction*),
 - Geography(B),
- 2020: 7 GCSE's (all at Grade 5 and above) :
 - Mathematics (7), Science (6), English Language (6), Computer Science (7), English Literature (5), Geography: (8) , Business Studies (Distinction*)

Experiences and Employment

Mentor - Computer Science - University of Nottingham | Sept 2023 - Present

- Offering both academic and pastoral assistance to new students to aid their adjustment to university life.
- Have already received positive feedback from mentees regarding my help/advice with upcoming assistance of first year topics and pastoral support; including machine learning, discrete mathematics and functional programming.

Teaching Assistant volunteering - Computer Science & Geography at school | Sept 2021 – May 2022

- Provided support in lesson with teacher to both A-level and GCSE Computer Science and Geography students including guidance and advice on approach and other support.

Duke of Edinburgh award

- As well as the outward-bound expedition which we successfully completed as part of a team, I organised a volunteering scheme in table-tennis and learned cooked as a skill which is now very handy at University.

McDonalds Crew member | Oct 21 – Aug 22

- ✚ Providing great customer service as well as handling microtransactions in the kitchen a fast-paced environment as part of a team working under time pressure.

Silverstone Hospitality event worker (Silverstone Grand Prix and Festival) – 2023

- ✚ Providing professional customer service and performed an array of job roles assigned on the day.

2-star paddle-sport award | 2015

- ✚ I learned key techniques in manoeuvring kayaks and canoes on open rivers and the risk assessment involved. It has progressed my interpersonal skills in dealing with risks and communicating them with other members of the club.

Technical Skills

Languages

- Proficient in C/C++, Java, Python, Haskell, SQL, PHP, HTML, CSS, Javascript.
- Previously developed in Ruby, ARM assembly

Software

- Effective use of Visual Paradigm for UML and requirements engineering
- Use of Git, Git extensions to manage projects
- JUnit testing mechanisms
- Data visualization in Python

Technology Projects

C++ Unity Racing game - Computer Science NEA

Technologies used: C#, PHP, SQL, MAMP database

Features: Comprehensive project documentation with over 230 pages on the full software life cycle; Full-stack secure profile creation system using TCP/IP protocols against a backend, full racing game implemented in Unity.

Packet routing server

Features: An implementation of a network library working in unison with an implementation of Dijkstra's Algorithm to search for fastest network routes and store a network of networks, using socket.h and netinet.in.h libraries.

Othello

A two-player original Othello game. All game logic and the UI was implemented in Java using the model-view-controller design pattern, displaying two windows each with mirrored boards and Othello pieces.

JUnit testing and modelling system requirements

Technologies used: Java, JUnit, Visual Paradigms

Features: Created a repository of extensive JUnit tests for full integration and system validation of software inspired by a remote banking app using visual paradigm to reverse engineer the system and create 100% coverage tests.

Current development: 3D Object reconstruction video within a team

Technologies: React, Kotlin, Python

Features: User records video of 3d object, video is optimized for suitable meta-data values, re-constructed into a mesh object on a backend which is visualised in the app after processing. I am currently Team admin.

Competencies gained from experience

Different schooling and external experiences have given me a range of transferrable capabilities that allow me to bring the following skills to your job-role:

- Being organised and time effective.
- Ability to multi-task.
- Teamwork and keen to help others
- Strong interpersonal skills
- Sustained reliability
- Keen to Learn
- Forward thinking mindset
- Flexibility to conduct myself in a suitable manor to work with anyone in a variety of environments.

Hobbies and interests

- Year 13 charity committee, I gained confidence in talking to people from external companies and roles.
- Playing 11-aside football for 5 years and was captain of my 5-aside team from 2021-2022.
- Run a Technology and Food blog hosted on my website, where I share my thoughts on my food journey with allergies, as well as talking about coding/ technology.
- Volunteered for NCS (National citizen service) award to refurbish a local community centre over a week.
- Part of boxing, recreational running, chess, and football societies at university with a keen interest in golf.
- Long distance runner, practising 30km+
- A keen artist, taking art classes from 2017-2019, my work has been displayed in a local exhibition.