

Daniel Simms

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Academic Profile:

I am a dedicated and passionate student of Computer Science, driven by the desire to excel within the realm of technology. My current academic pursuit involves a degree in Computer Science. Throughout my academic journey, my curiosity and passion have been key motivators in my exploration of Computer Science.

The path of my chosen degree offers a blend between theoretical concepts and practical applications. This blend allows me to immerse myself in an array of subjects within Computer Science. One particularly exciting aspect of my educational journey is the upcoming year-long industry placement, a pivotal phase in my degree curriculum.

Through my personal projects completed in my own time, and my studies, I have not only honed my technical skills but also showed my ability to execute intricate projects from idea to fruition, my favourite part of developing software. These personal endeavours have led to gaining invaluable skills that will help me to excel during my year in industry.

Education/Qualifications:

School of Computer Science, The University of Nottingham, Nottingham, UK (United Kingdom) Sept 2022 – Spring 2026

Computer Science BSc Hons (3 Year undergraduate degree with a year in industry)

1st year Module results:

Maths for Comp Scientists 1	52%
Programming and Algorithms	67%
Systems and Architecture	67%
Computer Fundamentals	95%
Intro to software Engineering	79%
Databases and interfaces	84%
Fundamentals of Artificial Intelligence	66%
Programming Paradigms	28%
Maths for comp Scientists 2	69%
Year Average	64%

Vyners School, London, UK

Sept 2020 – July 2022

A Levels (GCES):

Computer Science	A
Mathematics	A
Photography	A

GCSEs:

10 GCSEs in total

9-5

Personal Projects:**Website Portfolio – danielsimms.dev**

- Development of a dynamic personal portfolio website using React, Tailwind CSS, and TypeScript
- Learnt about responsive Web Design, and abstraction using React Functional Components

E-Commerce Website - eco-friendly-website.vercel.app

- Engineered a captivating e-commerce platform, that sells eco-friendly products at its core, employing a strategic fusion of React, JavaScript, and Tailwind CSS to craft a visually appealing and user-intuitive online shopping experience.
- Served as the driving force behind the platform's realization, overseeing the comprehensive development lifecycle - from architecting seamless user interfaces to implementing dynamic product showcases - all underpinned by efficient JSON data management.

Othello/Reversi Game – Java

- Designed and developed a captivating Reversi/Othello game application in Java, offering an engaging 2-player experience that required strategic thinking and tactical decision-making.
- Showed a strong passion for game development and deployed the use of Object-Oriented Programming to result in effective code design.

Employment history & Voluntary Work:**Hillingdon Sports and Leisure Complex - GLL, London**

Job Description: Recreational assistant

April 2021 - Current

- Cultivated a deep understanding of the pool's facilities and equipment, including pool maintenance and the principles of water safety
- Undertook the responsibility of coordinating pre-scheduled recreational pool sessions, efficiently managing a daily timetable accommodating up to 1750 swimmers.
- Developed a keen sense of leadership as I oversaw poolside activities, ensuring adherence to safety guidelines and promoting a positive environment for the swimmers.
- Took on an authoritative role leading a team of 15 lifeguards, successfully delegating tasks and improving efficiency.
- Gained confidence working in an environment where vigilance was crucial, as any lapses in attention could affect the well-being of swimmers; met various scenarios, including offering aid to swimmers with specific needs and raising awareness of water-related health concerns.

Skills/Interests/Achievements:

- Proficient in many software applications including Word, Excel, Publisher, PowerPoint, and picture packages
- Wide Range of Programming languages including HTML, CSS, JavaScript, Python, React, Tailwind CSS, C, Java
- NPLQ, Certificate
- First Aid trained Level 3
- CPR trained / Defibrillator trained
- Hold a full driving licence
- Boulderling / Lead Rock Climbing enthusiast

- Amateur Boxing enthusiast

References:

Adam Reed

Assistant Manager

Hillingdon Sports and Leisure Complex

GLL

London

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