

# Kieron Rana BSc (Hons)

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## Personal Profile

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I am a highly motivated and detail-oriented BSc Computer Science graduate with a strong foundation in software engineering, programming, and problem solving. I am experienced in using the .NET framework and Agile methodologies, as well as a variety of programming languages - C#, C++, Java and Python - to build innovative software solutions. My hands-on experience in game development, tutoring, and collaborative projects demonstrates my ability to work effectively, both independently and in a team.

## Technical Skills

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- Programming languages: C#, C++, Java, Python
- Tools: Git, .NET, Unity, Blender

## Education

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September 2021 – June 2024

### University of Birmingham

2:1 BSc (Hons) Computer Science

Relevant modules:

- Object Oriented Programming
- Data Structures and Algorithms
- Software Engineering Team Project
- Intelligent Data Analysis

Created an AI and Computer Vision system to provide feedback to users learning to perform physical poses and movements for my final year project.

September 2019 – June 2021

### Downend and Mangotsfield Sixth Form – 4 A Levels:

A\* Computer Science  
A\* Maths  
A Physics  
C Further Maths

September 2014 – June 2019

### Downend School – 9 GCSEs:

Grade 9 in Maths, Physics and Computer Science  
Grade 8 in Biology and English Language  
Grade 7 in History, Chemistry, French and English Literature

## Work Experience

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November 2024 - ongoing	<b>Notebook Tutors</b> Providing weekly Maths tuition to GCSE students, demonstrating effective communication and patience while simplifying complex concepts for students.
September 2024 - ongoing	<b>Iquation Tutoring</b> Providing weekly Computer Science and Maths tuition to GCSE and A-Level students, helping them achieve their academic goals.
September 2024	<b>BP, Budapest</b> Spent time shadowing the Principal Service Engineer in the Technology Team, observing best practices in software development and collaborative problem solving.
September 2023 - ongoing	<b>Freelance Tutor</b> Providing weekly Computer Science and Maths tuition to two secondary school students.
August 2021	<b>Renishaw plc, Wotton-under-Edge, Glos.</b> One-week Software Work Experience programme at this global engineering firm, then completing a coding challenge and presenting my solution to the other participants.

## Other Interests

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I am passionate about gaming and game development. I have already created one game, "Bloodflow", using Unity, and published it on Steam with Steamworks API integration. I am currently completing a second game as a way to gain experience in developing competitive online games.

Whilst at university I was a member of the Computer Science and Nerd societies, participating in hackathons and meetups about various technology topics.

I have been a voluntary moderator for an online video gaming community since September 2023, developing conflict resolution and leadership skills while managing community interactions.

I have been a drummer for twelve years, achieving Rockschoool Drumming Grades 1-5, all with merit, and was in a rock band for five years, performing at several Bristol venues, developing strong organisational, interpersonal and teamwork skills.

I have been practising Taekwon-Do for twelve years, passing eleven gradings and being named Student of the Year for guiding and supporting junior members of the club.

I have a clean current driving licence and am available to start immediately.

**References available on request.**