

# Ian Hudson

Abingdon, United Kingdom

Telephone (Mobile): 07947701071

E-mail: [ianm.hud@gmail.com](mailto:ianm.hud@gmail.com)

Website: <https://I-Hudson.github.io>

## Education and Qualifications

### University of Gloucestershire

Computer Games Programming (BSc Hons)- On Track for a 1st 2015 – 2019

Third year modules include:

- Individual Research project (76) – Created a Unity plugin to generate racetracks using a Voronoi diagram.
- Advance Group Project (73) - Our final year project was to create any kind of game for the end of year convention known as COMX. We created a top down spies vs mercenary game. In which I was the network programmer and gameplay programmer.
- Graphics programming and Shaders (85) – Render a 3D scene in real time.
- Indie Game Development (78) – I created a small mobile puzzle game.

Second year modules include:

- Low Level Architecture,
- High Level Architecture,
- Game Engine Programming

I was award best level 6 student from the University of Gloucestershire.

### Abingdon and Witney College

2013 - 2015

BTEC level 3 Information and Technology Extended Diploma

DDD (Distinction)

### Larkmead School

2010 – 2013

6 GCSE's Grade C and above including a B in Maths

## Technical Skills

Knowledge in

IT skills covering a range of software and version control

- C++,
- C#,
- GLSL/HLSL/CG,
- OpenGL,
- HTML
- BitBucket,
- Git,
- Perforce,
- SoureTree,
- Unity,
- Unreal,
- Visual studio 2015/2017

## Relevant Experience

### University of Gloucestershire - Research Placement

2017 – 2018

Throughout my placement I worked on multiple projects some of which included using AR, VR and the Microsoft HoloLens. I was required to work independently or in the case with the VR projects within a team. The projects which I worked on were created for internal and external clients.

### University of Gloucestershire -

#### Helping in Level 4 module Programming and Mathematics

2018 - 2019

My key responsibilities in this role include assisting students in their assessed tutorials and module projects in C++. I must communicate concisely towards the students, so they are able to understand what the code is doing and offer help and advice when requested or needed.

#### Brain's Eden – Competed in Brain's Eden Games Jam

2018 & 2019

I partook in Brain's Eden 2018 & 2019 where I was in a team of 5 using the Unreal Game Engine/Unity. I learnt the importance of cutting features and regular small meetings to keep track of the development of the project.

## Additional Experience

### University of Gloucestershire – Open/Applicant Day Helper

2017 – 2019

In this role I was tasked with helping applicants who participated in open/applicant day activities. The activities included creating Pong within C++ and JavaScript. I have improved my communication skills by doing this as I was talking to new people every open/applicant day.

### Homebase - Part time member of the replenishment team

2013 – 2015

### Low and Oliver – Shadowing an Electrician

2010 – 2010

## Hobbies/Interests

### Shotokan Karate

I have done karate for over 5 years and have reached the grade of Nidan (2<sup>nd</sup> Dan black belt). This required a high level of dedication and motivation to be able to reach 2<sup>nd</sup> Dan. I have gained discipline and team leader skills from this. I have also taught other students, who were both older and younger than myself.

### Badminton

Since the second year of university I have attended weekly recreational badminton sessions. Through these sessions I have met a wide range of people. I have developed my confidence in talking to new people who I would not have known.