

Mike Simpson

Michael David Simpson

Home Address



DOB:



Term Time Address



Website/Portfolio:

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Mobile:



Education

➤ **MSc (Hons) Computer Games Engineering** *Newcastle University - 2009*

➤ **BSc (Hons) Computing Science** *Newcastle University - 2008*

Programming experience: *C/C++, OpenGL and Java*

Skills: *Designing, Programming, Testing, Debugging and Problem Solving, Software/Game Development,*

Teamwork Experience: *Postgraduate Team Project - I worked with two other students to produce an online space combat game. I worked on the Design, HUD, Collision Detection, Particle Effects, Graphics Engine and Game Mechanics.*

Undergraduate Team Project - I worked with a team of Newcastle and Durham University students to produce software for a PC and PDA, using GPS data. My role was as lead programmer for the Newcastle team, working on the PDA. I was also responsible for organising documentation and coordinating with the Durham team.

Modules: *Programming for Games,
Graphics for Games
Game Technologies - including AI and Physics
Game Development
Real-Time Programming
Human-Computer Interaction*

Undergraduate Dissertation: *Animating String Searching Algorithms - I developed a dynamic animation tool that can be used to help explain the behaviours of String Searching Algorithms*

Postgraduate Dissertation: *Managing Road Networks in Open-World Games - I developed a tool to help construct, edit and organise large, complex road networks. This project was conducted in association with Midway Studios, Newcastle.*

➤ **A levels** *Trinity Sixth Form Centre, Carlisle - 2005*

A	Computing	C	Maths
B	Systems and Control	C	General Studies

➤ **GCSE's (2003)** *Trinity School, Carlisle - 2003*

1 x A *	French
5 x A	Maths, Systems & Control, Science (Dual Award), English (Language)
5 x B	English (Literature), ICT, Music, Theatre Studies, Astronomy

Work Experience

Client Services and Property Unit :: Cumbria County Council

December 2008

This involved working to maintain and enhance the department's database and providing general administrative support.

Transport Operations Team :: Cumbria County Council

July 2008 - September 2008

My main responsibility was processing applications and organising the distribution of bus passes to students across the county. I also managed changes and new arrangements for an important development: a new Academy that was being established. I developed greater attention to detail, patience and skills for collating, organising and retrieving data. I also honed my ability to process and input data with great speed and accuracy.

Warehouse/Chiller Staff :: Calder Foods Ltd, Carlisle

May 2003 - September 2007

Various roles assisting warehouse staff. Duties included stock control and order dispatching. I was often chosen by the manager to help with important orders. I learned to pick up skills quickly and to efficiently and accurately fulfil customer requests.

Peak Season Temporary Staff :: Dixon's, Carlisle

Nov 2002 - Jan 2003 & Nov 2003 - Jan 2004

A shop assistant role: I provided customer service and assisted the other staff with their duties during the busy Christmas period. My duties included warehouse work and stock replenishment, as well as cashier work. My efficiency and capable working style lead to me being asked to return to the position the following year.

Skills acquired:

- | | | |
|-----------------|--------------------------|--------------|
| ✓ Teamwork | ✓ Commercial awareness | ✓ Accuracy |
| ✓ Communication | ✓ Working under pressure | ✓ Efficiency |
| ✓ Initiative | ✓ Organisational Skills | |

Other Achievements and Interests

- I enjoy playing computer games and have experience with many genres and platforms. This has given me insight into various game mechanics and characteristics. I have produced several games in C++, Java and Visual Basic and I also have experience using editor tools from games to produce scenarios. In addition, I like to design games and have produced a number of concept documents, based on my ideas.
- Music is one of my passions. I play Cello and Saxophone to Grade 5 standard, plus Bass Guitar and I have performed in numerous bands and orchestras, helping me to gain confidence.
- In my spare time I like to read novels and have even written some stories of my own. I also like to do photography and enjoy producing digital artwork.
- I have been involved in a series of youth events, for I have been an organiser and steward, as well as a musician. This has taught me responsibility and organisation skills. In 2004 I took part in 'Soul in the City'. This involved travelling to London to work with local organisations, participating in voluntary work for the community.
- At University I have been involved in the Christian Union, with responsibilities including organising events, working with the technical team and helping first year students to settle in.
- I was awarded the Arkwright Engineering Scholarship in 2003. This involved passing a design-based exam and an interview. I was the only one from my school to qualify, and received money to help with my sixth-form studies.
- I played an active role within the community at school, including working as a technician for shows, concerts and the school radio station. This involved organisation, teamwork and working under pressure during performances.
- I achieved the qualification Advanced Scuba Diver (NAUI), during a holiday in the summer of 2001.

Referees

ACADEMIC REFEREE

A large, solid blue rounded rectangular box with a thin white border, intended for the name of an academic referee.

RECENT EMPLOYMENT REFEREE

A large, solid blue rounded rectangular box with a thin white border, intended for the name of a recent employment referee.