

Mr Adam J. Milner

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Personal Profile

Ambitious Gameplay, Network, and Graphics programmer recently graduated from the University of Derby with a First in BSc (Hons) in Computer Games Programming. Inquisitive and willing to learn new methods and technologies. I have produced 3 prototype titles and 1 complete vertical slice of a game during education and am currently working on a personal project in Unreal Engine 4. I have a drive to learn and have experience working to a project specification and conducting presentations. I have experience working as the Programming Lead of a group of 5 alongside a team of 4 artists to successfully deliver a quality game consistently marked above 95%. I am looking to expand my horizons and grow my skill set.

Technical Skills:

- Experienced in C++, and Unreal Engine 4.
- Experience with C#, Unity Engine, C, Python, Assembly, Java, PHP, JavaScript, XML, HTML5, and CSS.
- Worked with Unreal Engine 4 and Unity to produce games.
- Developed a game as Programming Lead as part of a 9-member team. This game achieved the following grades: Alpha – 96%, Beta – 100%, Gold – 100%.
- Developed a VR 'Word-style' office application within Unity as part of my Dissertation.
- Developed Multi-agent AI systems and advanced explosions with shockwave modelling in a prototype game within Unity.
- Developed a data visualisation web application with a database backend with a REST API using PHP and AJAX.
- Developed a graphics rendering engine and basic game engine in C++.
- Designed, developed, and managed databases up to the 3rd normal form within MySQL and PHPMyAdmin.
- In-depth understanding of networks and network design approaches.

Key Transferable Skills:

Throughout my education, I have continued to become increasingly **resilient** and **independent** as I have succeeded at meeting all challenges before me. This shows through my ability to be trusted to **complete complex** tasks with **minimal supervision**.

I have worked as Programming Lead whilst developing two games, further improving my **personal** and **professional management** skills to **meet targets** and **deadlines** throughout development.

During my time at college, I was tasked with creating a concept for an app to **client specifications** as part of a group which I **managed** including a range of **documentation** and conduct a **presentation** for visiting staff from **Rolls-Royce**. As such I have experience working within a **group** to a **specification**, conducting **presentations**, and fielding questions from guests in a **professional** setting.

Education

2018 – 2021	<i>University of Derby</i> Degree First Class	BSc (Hons) Computer Games Programming Game Development – Graphics I & II - Computation Maths – Systems Programming – Networks and Security – Application Development – Team Project – Independent Studies – Databases - Game Behaviour - Networking Fundamentals – Programming I & II – Foundations of & Introduction to Computer Science
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2016 – 2018 *Derby College* Level 3 Extended Diploma in Computer Science by Pearson
 College
DDD **Graphics and Animation - Computer Games Development -
 Software Design and Development - Planning and Management of
 Computer Projects**

2011 – 2016 *Chellaston Academy* GCSEs are as follows: 2 A's, 5 B's, 2 C's
 GCSEs

Relevant Experience:

2017-2017 (2 Weeks)

Work experience at Columbus Global UK – Whilst at Columbus I worked with IT and Marketing. During this time, I reached out to customers to ensure that the contact information was correct for each client along with performing inventory with IT. Further, I researched how the company currently reaches their target market and produced a presentation to marketing staff. This presentation affirmed the marketing strategy currently in place and led to a discussion on possible improvements.

This short stay gave me insight into my projected career path, and experience working in a professional environment. Along with this, I think my time at Columbus gave me a good idea of how a modern business featuring digital technologies as the primary product (SaaS).

General Employment

2018-2019 (1 Year 3 Months)

McDonald's Customer Care Assistant and Crew – In this position, I excelled at customer service quickly being promoted to Customer Care where I received additional training focused on improving customer experiences. During my time, I worked to improve customer satisfaction by up to 15% (measured by customer surveys). Whilst working at McDonald's I gained experience in public relations, interpersonal skills, and personal time management in a working environment.

Additional Skills and Experience:

Whilst completing my degree I have worked with a range of software and Integrated Development Environments (IDEs) to develop various applications including web-based apps. Therefore, I am used to independently learning new software, technologies, and processes including extensive troubleshooting when issues arise. This allows me to work independently with little support once tasked. Furthermore, during my time managing projects, I gained experience using specialised Microsoft software such as MS Project. Additionally, I have a Microsoft Office Specialist (MOS) certification in PowerPoint, Excel, and Word ensuring I am fully able to readily create accurate and accessible documentation throughout development.

Interests and Activities:

Outside of work and my studies, I enjoy sport climbing, meeting new people, and playing games with friends which both pair quite well.

When I'm not playing games or going climbing, I enjoy reading a range of topics and learning new things, especially in the area of aerospace. I have always found space, engines, rocket engines, and physics very interesting and due to this, I have a strong mathematical background and enjoy learning in this area.

Additionally, I have always found new technologies cool and would like to be on the cutting edge working on new and exciting projects that may involve new technologies whether that be something in the realm of IT such as Virtual Reality, Augmented Reality, or other new technologies (engineering, software dev, etc).

I have always enjoyed learning new facts and reading about new things and I think that is probably my strongest quality as a person.

References available upon request

(not provided due to data privacy concerns)