Daniel Bates

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Personal Profile

An ambitious and passionate computer science student with a strong interest in the development of games and a willingness to learn with proven teamworking skills, demonstrated through volunteer work and course group projects.

Technical Skills

Programming: Python, C#, HTML5, CSS, JavaScript, C++, SQL, XML, OpenGL

Technologies & frameworks: Visual Studio 2017, Blender, GitHub & SVN

Work methodologies: Scrum, Agile

Education

University of Hull   **September 2019 - Present**

BSc Computer Science for Game Development with Industrial Experience (Predicted 1st Class Honours)

- **Intro to Programming:** Developed a word search game using fundamental C# programming knowledge in Visual Studio 2017, using SVN as source control.
- **Object Oriented Programming:** Developed a rudimentary computer game version of the card game UNO in Visual Studio 2017 written in C# with SVN used as source control.
- **2D Computer Graphics & Simulation:** Using a knowledge of vector & matrix transformations created a snake game with simulated physics. This was created in Visual Code using JavaScript and HTML. A mix of SVN and GitHub was used as source control.
- **Artificial Intelligence:** Developed 2 A.I. bots that would find a path to a target using an A* algorithm & an LRTA* algorithm. Written in C# and created in Visual Studio 2017, using GitHub as source control.
- **System Analysis, Design & Process**: As part of a group project, designed and created a solution to an identified problem. A Scrum work methodology was used and 2 weekly meetings were held, one to monitor progress and supply support, the other to outline tasks for the following week. The software was developed on Visual Studio 2017 in C# using GitHub as source control.

Neale-Wade Academy 6th Form   **September 2016 – June 2019**

- OCR Level 3 Cambridge Technical Diploma in IT: **Distinction, Distinction**
- Forensic Investigation: **Merit**
- Mathematical Studies: **B**

Neale-Wade Academy   **September 2011 – June 2016**

- 9 x GCSE (A – C including Maths, English and Computing)
- TLM Level 2 Certificate for IT User Skills in Open: **A***

Additional Training/Membership

Registered member of the British Computer Society

Google certified Online Marketing Fundamentals

Interests and Activities

Course Rep   2019

- Served as a representative for students of the university course, using communications skills to relay positive and negative feedback of the course and staff to the university, and any changes that will be made as a result back to students.
- Monthly meetings with staff and other course reps were held where feedback could be raised and necessary actions could be discussed.
- As a course rep my contact information was made available to the students so any student could get in contact with me in regards to the course.
- As a result, we made the course lectures more accessible for students that could not attend all lectures due to medical reasons.

Volunteering   2019

- **Every Paw Counts:**
  - Developed time management, project management, event management and communication skills.
  - As a result of our work on the fundraising events we saw an increased amount of donations, due to the success of the indoor petting zoo event we are planning to make this a more regular event.
  - Also developed a stronger sense of responsibility when caring for the animals.
- **Forces for Nature:**
  - Team clean up sessions were often carried out to collect litter from around campus or local parks. Other events, such as tree planting, were held to help raise awareness for the environmentally issues we all face.
  - As a result of the work carried out, we made people more aware of the impacts they can have on the environment, and saw a reduce in the amount of litter found in parks and on campus.
  - Developed stronger teamworking skills and further developed time management and communication skills.

Scuba Diving   Dec 2012, Jul 2014

- Acquired PADI Open Water Diver qualification in 2012 followed by PADI Advanced Open Water in 2014.
- Demonstrates determination in learning new skills, as well as a sense of responsibility and teamwork as each diver is responsible for themselves and a buddy diver to ensure safety.

Additional Information

Full clean driving license with own transport.

References

Available on request.