

Callum Powley

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GitHub: <https://github.com/ElStraf>

Portfolio: www.callumpowley.com

Profile

A highly motivated computer science graduate with good knowledge and technical abilities, within C++, C#, Java, and Python. Good time keeping and reliable.

Education & Qualifications

2019 – 2021	<u>Teesside Uni</u> MA Computer Science
2015 – 2019	<u>Teesside Uni</u> BSc (Hons) Computer Games Programming
2013 – 2015	<u>Middlesbrough College</u> BTEC: Creative Media Production (Games Development) (QCF), Triple Grade Distinction Distinction Merit
2009 – 2013	<u>Freebrough Academy</u> GCSE's: 6 B-C Including English, Maths, Science

Software skills:

Programming: C++, C#, Java, Python

Software: Unity, Unreal Engine, Visual Studio, StarUML, Android Studio, Anaconda

Other Applications: Microsoft Office Suite

Systems: Windows and LINUX

Projects:

First Year Project: Snake Game

My first-year project involved my making a snake game using C++ and an open source library. Throughout this project I had to use all the C++ knowledge that I have gained so far to meet the requirements. The project also tested my problem-solving skills which is a key skill for anything related to programming.

Final Year Project: Neural Networks

Final Year project, letting an AI learn and adapted based on different neurons and learning inputs. Bases on Neural Nets to allow learning.

Masters Project: Applying machine learning to RTS combat

Applying Q-learning and to a StarCraft 2 minigame to see if they can learn to kite an enemy. Using Deepminds API and Python to achieve this.

Hobbies and interested

Outside of study, I enjoy playing Magic the Gathering where I mainly play the formats Morden and Commander. I also enjoy playing MMORPG's which the one I play the most is World of Warcraft. When I'm not playing games or playing magic at my local game store, I also take my dog out to the beach and socializing with my friends.

References:

Mr Joshua Hukin Head of School Freebrough Academy Email: hukinjo@freebroughacademy.org	Keith Ditchburn Principal Lecturer School of Computing, Media and the Arts Teesside University Email: k.j.ditchburn@tees.ac.uk
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Additional Information:

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