ROBERT ALOKMOY LANE

Computing student falmouth university

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Aresheon

EXPERIENCE

Online Sessional Mentor

Player Ready

November 2025 – Ongoing Online

- Provided online 1:1 mentorship for SEND children, enhancing their tech and social skills.
- Specialized in teaching Unreal Engine and Unity (including c++ & c# languages), fostering creativity and technical proficiency.
- Collaborated with Player Ready to support children in a tech-focused learning environment.

Computing for Games BSc Student

Falmouth University

September 2024 – Ongoing Falmouth/Penryn

- Computing degree specialising in backend game programming
- large focus on cross disciplinary teamwork for individual modules
- emphasis on agile development including scrum within the teams
- throught group projects I have had experience running as the team's scrum master.

PROJECTS

Octopie - Unreal Engine C++

Falmouth University

sept 2025 - may 2026

A co-op game similar to untitled goose game created for my second year group module, where you play as an octopus and a magpie. However instead of causing chaos you help the townsfolk. My job for this game was to create the systems to interact with everything and how the quest objects work. This was made in Unreal Engine, with a lot of C++. I designed the systems so each 'interactable object' or 'quest item' could be created and modified retain base functionality within Unreal's blueprints so the designers could play with different objects they wanted to. This was done to also cut down my own work as I was the only programmer in out little team. for the first block I also acted as our team's scrum master and general tech support including git and Unreal. I also heacily worked with the animator to implement various animations aswell as the Octopus's wigglyness which we both contributed on.

Escape of the Nuclear Hamster - Unity C#

Falmouth University

Jan 2025 - May 2025

Portal inspired game for our first year group module. This was created in Unity. I had a similar position in the team as Octopie(the system's design and implementation) however this time working with 2 other programmers and so consideration into them being

OVERVIEW OF ME

Computing for games student at Falmouth University. I am aiming to specialise in system design and AI, within games. I have experience developing in Unity and Unreal Engine, with proficiency in C#, C++, python, HTML.

MOST PROUD OF

System design for octopie
Interaction and Quest system intergrated with Unreal's blueprints

procedural octopus
Along with the teams animator, Keegan Wilson, create an octopus with a blend of simulated and manual animations

Another achievement
more details about it of course

STRENGTHS

Hard-working | Eye for detail | Motivator & Leader | good initiative

C++ | C# | python | Unreal Engine | Unity Engine | systems design | git

LANGUAGES

English ●●●●●

EDUCATION

A Levels: Maths, Physics, Computer Science

Clifton College

Sept 2022 – June 2024

Thesis title: Wonderful Research

B.Sc. Computing for Games

Falmouth University

sept 2024 - ongoing

able to work with my code and its readabilty was critical. I did also work as scrum master aswell as tech support again specific with git and the use of the engine.

Monogame Physics library - MonoGame C#

Clifton College

My NEA for computer science A-level. I create a little library that could attach to a monogame.extended project and allow the user to create basic phyiscs objects that are simulated. This is caveated by that these objects are only 2D and cannot rotate, however you can create simulated more complicated rigidbody's. This project no longer works with the .extended library's update.

Cylinder Wars 2 - Unity C#

Personal for Arkwright Scholarship

This was a simple project I created for My successful arkwright scholarship application. Its a simple top down game within a rocedurally generated maze. The maze is generated using a recursive backtracker algorithm. The game also includes a few different enemy types that include some basic state machines controlling their behaviour.

REFEREES

Jamie Vodden
@ Player Ready
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Dr Joseph Walton-Rivers
@ Falmouth University
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