

Joe Subbiani

First Class BSc Computer Science Graduate - University of Glasgow

Email: joe.subbiani@gmail.com

Phone: 07972651403

Links

LinkedIn://joe-subbiani-1b326a198

Github://JoeSubbi

Blog://joesubbi.github.io

ArtStation://joesubbi

Skills

OS

Linux, Windows

LANGUAGES

C++, C#, C, HLSL, GLSL, Java, Python, Rust

OTHERS

Unreal Engine, Unity, Git, Perforce, Adobe Photoshop/Affinity Photo, Adobe Illustrator/Affinity Designer, Blender, Premiere Pro.

Education

2018-2022

First Class BSc

COMPUTER SCIENCE

University of Glasgow

Coursework

HCI and Interactive Systems, Data Structures, Algorithmics, Network Systems, Programming Languages, Functional Programming, Systems programming (C++, Rust), Robotics, Machine Learning,

Digital and Analogue Electronic Engineering, Statistics

Achievements

2018 **Volunteer Climbing Instructor for Young Children**

2017 **Swansea University Academic Course**

Hobbies

GAME DEVELOPMENT

48 Hour Game Jams and other hobby projects including 4D Games.

FREELANCE ARTIST

Worked directly with clients, negotiating ideas from a given specification, for both 2D and 3D artworks.

Experience

2022-Present **Climax Studios Game Programmer**

- Worked on multiple *Unreal Engine* projects as part of a large multidisciplinary teams for client studios and alongside other co-development studios.
- Strong communication and collaboration with client studios and the wider team to help bring their vision to life.
- Lead the development for a variety of features; working with all disciplines to bring these systems and features to a shippable quality.

2021 **ARM Software Engineer on Mbed TLS**

Arm Github://JoeSubbiani

- Made meaningful contributions to an open source library, working with *C*, *Bash* and *Python* to make tests, tools and improvements in correspondence to issues created by the team and the community.
- Worked as part of an agile/kanban team, engaged in discussing and planning a new release, and through technical work became more familiar with git, pull requests, and code reviews.
- Attended extra curricular meetings to widen my knowledge of the industry.

2015-2020 **Heatherton World of Activities Instructor**

- Worked closely and communicated with a team of instructors.
- Communicated clearly how to safely use equipment to customers.
- Was responsible for the safety of customers.
- Performed rescues on specific obstacles when necessary.

2020-2022 **University Lab Demonstrator**

- Assist first year university students in their computing laboratories.
- Explain the more complex concepts in a way that is easier to grasp.
- Taught and discussed coursework for Python Programming, Databases and HCI.

2016 **Acanthus Holden Architects**

- Worked on official plans for a boat house on Thorne Island, off the Welsh Coast.
- Worked on a floor plan for a new library in Carmarthen, Wales.

Projects

2022-2024 **4D Games**

Unity, C#, HLSL

A Video Game released on Steam where players can interact with several 4D shapes without gimbal lock; play a series of 4D mini-games; and build their own 4D creations using a realtime node-based shape editor.

2021-2022 **Investigation into representations of 4D**

Unity, C#, HLSL, Python

Final Year Individual Project, conducting an investigation into the most intuitive representation of 4D objects by creating a series of interactive real time extensions to the 3D cross section of 4D objects and investigate how effectively a user can interact with the 4D geometry.

2020 **Portfolio Website**

Django, Python, Javascript, CSS/HTML, MySQL

Developed a website using the django framework which allows users to build their own design portfolio; provide their contact information to registered users; and allow for users to browse popular posts.

2019 **Video Game Assistant App**

Python

A GUI application to assist in route-planning for a video game by implementing algorithms to tackle the travelling salesman problem.

2020-2021 **Tower Building Revision App**

Unity, C#, Java, SpringBoot

Agile Scrum Team project; A mobile application that allows users to unlock university buildings and customisation options as they spend time revising. They can explore their own and other users worlds.