

DYLAN SHORTEN

PROGRAMMER

CONTACT

+61 452 526 006

Dylan_Shorten@Outlook.com

Dylan-Shorten.com

linkedin.com/in/dylan-shorten

TECHNOLOGIES

Unity

C#

C++

SourceTree

OpenGL

SKILLS

Maths

Communication

System Architecture

Physics

UI/UX

Tool Development

Version Control

ABOUT ME

Hi! I'm Dylan. I am an enthusiastic programmer with a primary focus on games.

I have a keen interest in System Architecture and Tool Development, which is greatly expressed through my work.

My game development experience has been explored through C++, Unity and C#, with GitFlow version control methodologies to back it all up.

PROJECTS

THROW THYSELF GAME PROGRAMMER

2020

- Created fluent local multiplayer system.
- Added complex + dynamic UI.
- Implemented physics-based gameplay functionality.

HONOUR AMONG THIEVES GAME PROGRAMMER

2020

- Programmed editor tools for the developers.
- Created smooth player controller and interactables.

Marvelous Murgo GAME PROGRAMMER

2020

- Implemented cross-platform systems for PC and Android VR.
- Implemented dynamic tweening animations.

Ultraball GAME PROGRAMMER

2019

- Implemented soft-body physics with NVIDIA Flex.
- Created a player controller that works fluently with NVIDIA Flex.

EDUCATION

Academy of Interactive Entertainment

2020 - 2020 | Advanced Diploma of Professional Game Development

- **Physics For Games** - Created 2D physics engine.
- **Computer Graphics** - Created graphics engine with OpenGL.
- **Complex Game Systems** - Created Inventory System for Unity.
- **Virtual + Extended Realities** - Created Marvelous Murgo project.
- **Major Production** - Created Throw Thyself and Honour Among Thieves.

Academy of Interactive Entertainment

2019 - 2019 | Diploma of Information Technology

- **C++** - Used C++ to create most other projects.
- **C#** - Created a particle system editor with JSON saving/loading.
- **Cross Platform Development** - Created Duck hunt clone in Oculus.
- **Code Design** - Created a Simon clone with dynamic button count.
- **Maths for Games** - Created a custom mathematics library.
- **AI for Games** - Created an AI using a behaviour tree.
- **Major Production** - Created my major project Ultraball.