

Ari Alexander Tannahill Thomson

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Profile

As a games development student in my final year, I'm looking for entry and junior positions in generalist and games programming roles. A winner of DARE Academy 2025, Abertay University's premier games development competition, as a programmer on Riverboat Games. Skills in C++ with an object-oriented view and experience in DX11, OpenGL, as well as engine experience with Unreal and an in-house PS5 engine, Skateboard.

Selected Projects

Galactic Postal Servitude - Riverboat Games, 2025

Galactic Postal Servitude is a point and click puzzle game where a player must approve and deny parcels being sent by aliens.

I worked as one of two programmers on this project in a group of eight.

The project was made as part of the DES315 professional project module where I received an A, and later as part of DARE Academy where my team and I massively overhauled the game and were both overall winners as well as audience choice winners.

Relevant Skills - Unreal Engine 5, UE5 Blueprints, Perforce Source Control, Teamworking, Communication.

Direct X11 River Scene - 2024

DirectX11 river scene using Gerstner waves to simulate water with procedurally generated terrain to contain the wave as well as a loaded model, shadows, tessellation (both dynamic and static), bloom with the computer shader, and multiple lighting types.

I worked on this project during CMP301 where I received an A+.

Relevant Skills - Direct X11, C++, Git Source Control.

Two in the Chamber - 2024

Two player arena battler where the players can pick up different weapons and upgrade their stats throughout the game.

This project was built using the Skateboard engine, an in-house engine provided by Abertay University for PS5 development.

I worked in a team of three as a programmer and worked on the weapon mechanics as well as the upgrade system.

Relevant Skills - Custom Engines, C++, Git Source Control, Console Development, Teamworking, Communication.

Core Skills

- C++
- Unreal Engine 5
- SFML
- Direct X11
- OpenGL
- Source Control - Perforce and Git
- Object Oriented Design

Soft Skills

- Teamworking
- Communication
- Leadership
- Microsoft Office

Languages

- English
- Finnish

Achievements

- 2025 DARE Academy Winner
- 2018 BAFTA YGD Finalist
- Gold DoFE recipient

Interests and Hobbies

- Abertay Men's Field Hockey captain
- Volleyball
- esports

Education

BSc (Hons) - Computer Games Application Development
Abertay University, 2022 - 2026 (Planned Completion)

Relevant Modules

DES315 - Professional Project - A
CMP301 - Graphics Programming with Shaders - A+
CMP302 - Gameplay Mechanics Development - B+
CMP208 - Game Programming and System Architectures - A
CMP203 - Graphics Programming - A
CMP105 - Games Programming - A+
CMP104 - Programming with C++ - A+

Shawlands Academy, Glasgow, 2016-2022

-6 Highers at A level, including Computing Science and Mathematics

Relevant Experience

Research Assistant - Abertay University, June 2025 - October 2025 (Planned Completion)

Worked on a preexisting codebase to modify a Streamlit webapp using Python. The webapp is used to perform thematic analysis on transcribed interviews using LLMs.

Other Experience

Marks & Spencer - Seasonal Sales Assistant
December 2023