Alexander Houghton

AlexanderHoughton.co.uk

linkedin.com/in/alex-houghton

Lead Programmer

I feel most at home deep inside low-level game engine code, figuring out how it works and inventing unique ways to optimise and improve it. I specialise in low-level, game engine, C++, platform, graphics and optimisation and by leading and inspiring my team I have a proven track record of bringing games to new platforms many would never have thought possible for external partners.

Please see my website for more details on the projects I have worked on: AlexanderHoughton.co.uk

SKILLS

- **Primary Programming Languages:** C/C++
- **Important Soft Skills:** Leading team to a common goal, inspiring + motivating + rewarding team, line management duties, conducting regular one-to-ones with team, mentoring duties to unlock team members full potential
- **Relevant Programming Skills:** Multithreading, SIMD (NEON+SSE), Optimisation, Profiling, Complex code merging, Bespoke Engines + Unreal Engine, x86-64, ARM, Clang & MSVC
- **Relevant Platform Experience:** PC, Xbox (XDK+GDK), PlayStation 4 & 5, Nintendo Switch, iOS, Android
- **Graphics API Experience:** DirectX 11 + 12, OpenGL, GNM + AGC, NVN, Vulkan

EXPERIENCE

Rebellion North, Ossett UK- *Lead Programmer*

2019 - PRESENT

- Unannounced AAA PC port to PlayStation 5 and Xbox Series X|S
- The Great War: Western Front - PC
- Red Dead Redemption - Nintendo Switch
- Bassmaster® Fishing 2022 - Nintendo Switch
- Zombie Army 4: Dead War - PC, Xbox, PlayStation, Nintendo Switch
- Lessons in Porting AAA Action Games to the Nintendo Switch (Video)
- Evil Genius 2 - PC, Xbox, PlayStation
- Strange Brigade - Nintendo Switch
- Sniper Elite 4, Strange Brigade, Zombie Army 4 - Google Stadia
- Sniper Elite 4 - Nintendo Switch

TickTock Games, Horbury UK- *Senior Programmer*

2015 - 2019

- Zombie Army Trilogy - Nintendo Switch
- Football Manager - Google Stadia
- Goat Simulator - Nintendo Switch
- Sniper Elite 3 - Nintendo Switch
- BattleZone - Nintendo Switch
- Sniper Elite V2 Remastered - Nintendo Switch
- Rogue Trooper Redux - PC, Xbox One, PlayStation 4, Nintendo Switch
- Heavenstrike Rivals - PC
- Cricket Captain - Android, iOS
- Worms World Party Remastered - PC

- International Snooker Pro
- Z Steel Soldiers

EDUCATION

Bournemouth University - *BSc (Hons) Games Technology*

2011 - 2014

Final grade: 1st