

Panos Karabelas

Engine/Graphics Programmer

I believe in high goals, self-teaching and hard work. I'm looking to develop bleeding edge game technology, collaborate with top talent, expand my knowledge and have fun.

panosconroe@hotmail.com

Manchester, UK

n linkedin.com/in/panoskarabelas

S panosconroe

+447376731506

www.panoskarabelas.com

twitter.com/panoskarabelas1

github.com/PanosK92/SpartanEngine

WORK EXPERIENCE

Generalist Programmer

Sony Interactive Entertainment Europe 2018 – Present

Working in a small but veteran made team on an upcoming title for PSVR

Achievements/Tasks

- Created an environmental analysis AI system, coupled with fuzzy logic, able to deliver behaviour with human-like cover/nagivation tactics.
- Implemented an engine subsystem which allows designers to easily create complex audiovisual player feedback (hud, sfx, vo).
- Integrated ImGui into our engine with full 3D/VR support.

Junior Programmer

Sony Interactive Entertainment Europe

2017 – 2018

Achievements/Tasks

Manchester, UK

Manchester, UK

- Created game analytics system with capabilities like exporting and plotting.
- Implemented cheap and accurate target prediciton for an AI unit.
- Created smoke tests, automated reporting and improved upon our continuous intergration system.
- Reduced PS4 deployment time by up to 60%.

Gameplay Programmer

A one time collaboration with friends

Larisa, Greece

Achievements/Tasks

- Worked on a game that was a Ludum Dare entry.
- Implemented physics-based player movement, grappling hook and jetpack mechanics.

Gameplay Programmer

Genesis Game Studios

2013 – 2014 Larisa, Greece

A small studio formed by top Microsoft Student Partners all around Greece

Achievements/Tasks

- Worked on 4 mobile games.
- Doubled as an AI programmer.
- Imagine Cup game pitch mentoring by Ubisoft's The Division marketing team.

Microsoft Student Partner

Microsoft Greece

2012 – 2016 Larisa, Greece

Achievements/Tasks

- Acted as a university campus leader.
- Mentored by industry professionals.
- Delivered presentations and organized workshops.
- Was part of a global community, learned to play well with others. ♂

AUTHOR OF SPARTAN ENGINE

- Graphics techniques like SSR, SSS, SSAO, Bloom, Motion Blur, Bloom, TAA, Volumetric Lighting and many others.
- Also includes things like DirectX and Vulkan, physics, audio, scripting, a thread pool, cpu & gpu profiling, a real-time shader editor, an event system, font rendering and many more.
- I have been doing this, almost every day, for the past 6 years so feel free to click on the link for an extensive feature list and a video

IMAGINE CUP WORLD FINALIST

Games Category (2014) 🗗

A competition organized by Microsoft to promote student entrepreneurship. A global event with hundreds of entries (startup-like teams)

EDUCATION

Computer Science & Telecommunications University of Thessaly

2010 - 2016

Certificate of Proficiency in English

University of Michigan

2000 - 2010

SKILLS

HLSL/GLSL Trigonometry Linear Algebra

Vulkan DirectX C/C++ C# Unreal

Unity Qt ImGui RenderDoc

Razor CPU/GPU Bullet Physics

INTERESTS

Food Gym Movies Friday Beers

REFERENCES

Peter John Marshall - Lead Programmer @ Sony Manchester

peter.john.marshall@sony.com