

DAVID PEICHO

Research Scientist with experience in
computer graphics and **game
development**.



EDUCATION

MASTER IN COMPUTER SCIENCE AND MACHINE LEARNING

EPITA, Paris Sep 2013 - Sept 2018

EPITA is an engineering school in 5 years, focused on C/C++ programming and Unix systems.
The last two years were focused on Data Science & Machine Learning.



EXPERIENCE

RESEARCH SCIENTIST AT SIEMENS HEALTHINEERS

Siemens Healthineers, Princeton, NJ, USA Feb 2018 - Current

Maintainer of a **real-time** medical visualization 2D / 3D library, based on WebGL and Three.js. The framework now includes:

- Volume Pathtracing with real-time refinements
- Volumes and surfaces merging
- Multiplanar Reconstruction

SOFTWARE ENGINEER INTERN AT SKETCHFAB

Sketchfab, Paris www.sketchfab.com Sept 2016 - Jan 2017

In charge of implementing a **SSAO** post-process, a **glTF** loader, and a Front-End **ASTC** texture decompressor.

SOFTWARE ENGINEER INTERN AT AERYS

Aerys, Paris www.aerys.in May 2015 - Sept 2015

Development of a small C++ 3D game using the **Minko Engine**.
Development of JavaScript 2D games using **React** & **CreateJS**.



PROJECTS

ArtFlow

www.github.com/DavidPeicho/artflow

JS, Tree.js, GLSL

3D frontend software to draw in VR (Tilt Brush like).

FPSDesigner

https://github.com/FPSDesigner/FPSDesigner

C#, WPF, XNA, HLSL

"Unity-like" software to create 3D FPS games with an editor. Very limited, done as an undergraduate student.

PatternTrackingController

https://github.com/DavidPeicho/pattern-tracking-controller

C++, SFML

Tiny real-time arrow recognition library, used to control a player in a game.

EnvKit

https://github.com/albedo-engine/env-kit

C++, TBB, OpenGL

Tool computing irradiance map on CPU / GPU for real-time Image Base Lighting.



LANGUAGES

FRENCH
Native

ENGLISH
Toeic (935)

SPANISH
Elementary



ABOUT ME

Degree
Master

City of Residence
London, UK

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LANGUAGES

JS

C++

C



GRAPHICS

Open
GL

Web
GL

Three
JS

UE4

Blender



LINKS



www.github.com/DavidPeicho



www.linkedin.com/in/david-peicho