

Senior Staff Software Enabling and Optimization Engineer






Combining expertise in GPU and CPU software optimization with a deep understanding of Intel's present and future client platforms and software stacks which I'm contributing to build, I help leading vendors to achieve maximum performance and functionality on Intel-based client platforms.

Xavier HALLADE



me@ph0b.com
+33 6 76 21 10 89
13008 Marseille
France

Professional Background

- since 2015 **Senior Staff SW Enabling/Optimization Engineer** **Marseille (remote)** **10 years**
-  Spearheaded productization and optimization of software solutions from leading vendors and developers across EMEA, enhancing Intel's software and hardware stacks to deliver superior quality and performance for current and next-gen platforms (CPU, GPU, NPU). Visible contributions:
- Developed and optimized Intel GPUs support for Blender Cycles renderer (Windows/Linux)
 - Introduced Intel Arc Pro GPUs support for Dassault Systèmes 3DExperience and SolidWorks
 - Recruited and mentored 5+ SW engineers (from Senior to Staff SW Engineers)
 - Contributed to the enhanced RTMP specification
 - Advanced SYCL API and DPC++ runtime readiness for client platforms on Windows and Linux
 - Resolved issues across application layers, APIs, runtimes, and hardware, with timely interim solutions as needed
- 2012-2015 **Intel - Developer Evangelist** **Paris** **3 years**
-  Helped developers and customers to adopt and make a good use of new Intel technologies and platforms. Prepared and held technical talks at **30+ events** and trained **2000+ developers** face-to-face per year. Developed sample codes and proof of concepts around various technologies: Android OS (SDK, NDK, TV, Wear); Windows 8; Wireless Display and Second Screen APIs; Sensors, Near Field Communication; HTML5; RealSense
- 2011 **Dassault Systèmes – Technical Internship** **Velizy** **3 months**
-  developed a Qt/C++ application to be used by every employee, with a xml-based configuration, update mechanism and personal configuration.
- 2006-2012 **Novetys SARL – Co-Founder and CTO** **Nancy** **6 years**
-  managed web projects and teams. developed in PHP, MySQL, HTML/CSS, JavaScript. Co-Created ForumFr.com: One million visitors per month.
- 2009 **Engineering school multidisciplinary project** **Paris** **6 months**
-  developed a C and OpenGL software that orientates and positions in 3D an object tracked by a single camera.

Training

- 2012 **BADGE Consulting and Management Engineering** **Paris**
aptitude certificate issued by the Grandes Écoles.
- 2008-2012 **ESIEA Engineering School – 2012 promotion** **Paris**
École Supérieure d'Informatique, Électronique et Automatique.

LANGUAGES

- English: fluent
- French: native
- German: basic
- Spanish: basic

LANGUAGES

- C/C++: fluent
- CUDA, SYCL: fluent
- Android: proficient
- HTML/CSS, JS, PHP: basic
- python, x86 asm, gen asm, Objective-C, Go, etc: basic

OPERATING SYSTEMS

- Windows
- Android
- Linux (Debian, Ubuntu, CentOS, ArchLinux)

CENTERS OF INTEREST

- Photography
- Backcountry Skiing
- Wingfoiling, Dock Start

OTHER INFORMATION

- Google Developer Expert for Android 2015, 2016
- [Github](https://github.com) / [Blender Gitea](https://gitea.com)
- [Linkedin](https://www.linkedin.com/)

