

# Emmanuel Gil Peyrot

Free Software Graphics Developer

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## Professional Experiences

- Summer 2020 **Google Summer of Code Student**, *Google*, Paris.  
Added a Pathfinder backend (Servo) to do GPU rendering in Inkscape
- Spring 2020 **Intern Developer**, *Télécom Paris*, Saclay.  
Wrote a collaborative edition plugin for Inkscape, using XMPP
- June 2015 to November 2017 **Graphics Software Engineer Consultant**, *Collabora Ltd.*, Cambridge.  
Development and advice in low-level graphics
- Summer 2009, Summer 2010 **Intern Developer**, *Plugsbee*, Paris.  
Developer of an XMPP backend for instant photo sharing
- Summer 2008 **Web Developer**, *Polygone Immobilier*, Perpignan.  
Development of a web site in PHP

## Studies

- 2012–2015, 2019–2020 **MSc in Computer Science**, *Sorbonne Université*, Paris, *Obtained*.  
Speciality in Software Engineering
- 2009–2012 **BSc in Computer Science**, *Sorbonne Université*, Paris, *Obtained*.
- 2006–2009 **High School Diploma**, *Lycée Guillaume Apollinaire*, Thiais, *Mention Assez Bien*.  
Speciality in Biology and Geology

## Languages

- French Mother Tongue  
English Fluent  
Japanese Listening Skills

## Technical Skills

<i>Generalist</i>	Rust, C	<i>Object</i>	C++17, Python3
<i>Functional</i>	Haskell, OCaml, Lisps	<i>Database</i>	MariaDB, SQLite3
<i>Assembly</i>	x86_64, i686, AArch64, MIPS	<i>Scripting</i>	zsh, bash
<i>Web</i>	JavaScript, HTML5, CSS3	<i>VCS</i>	git, hg, fossil
<i>Office</i>	LaTeX, LibreOffice	<i>OS</i>	ArchLinux, Haiku
<i>Graphics</i>	GLSL, OpenGL, Vulkan, SVG, Mesa, Wayland, KMS/DRM, Inkscape	<i>Sysadmin</i>	Prosody, Nginx, Bind9, OpenSMTPd, ArchLinux
<i>XMPP</i>	Client Developer (poezio, Gajim, Converse.js), Libraries (slixmpp, xmpp-rs), Servers (Prosody, biboumi)	<i>Emulation</i>	Nintendo 3DS (Citra), GameCube, Wii (Dolphin), DS (DeSmuME), Sony Playstation 3 (rpcs3)
<i>Reverse Engineering</i>	Ghidra, clean room	<i>Communication</i>	XMPP, IRC

## Interests and passions

- Free Software  
Travels, Meetups, Sprints and Conferences (FOSDEM, CCC)  
Lyrical Singing (tenor)  
Japanese Animation  
Retro Video Games (especially on emulators)