

Florent Revest






Embedded Software Engineering Student

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Work Experience

- Jul.-Aug. **Linux Kernel Engineer (Intern)**, *Free Electrons*, Colomiers, France.
2016 Developed a video4linux2 kernel driver for Allwinner's Video Processor Units and adapted the VLC/FFMPEG/libva userspace. Listed by the FSF as a High Priority Reverse Engineering Project.
- Jul. 2015 **Embedded Software Engineer (Intern)**, *Open Wide Ingénierie*, Toulouse, France.
Developed a fullscreen EGL&GLES backend for the Enlightenment Foundation Libraries enabling GPU acceleration on Linux without X. Resulted in a contract between Open Wide and Samsung.

Personal Projects

- 2015 **AsteroidOS**, Full operating system for smartwatches.
Technologies: *Qt5, Wayland, OpenEmbedded, Libhybris, BlueZ*  AsteroidOS/asteroid
- 2014 **Raspcopter**, Drone flight system and ground control station.
Technologies: *C++, ENet, i2c, PID Regulation*  FlorentRevest/Raspcopter
- 2013 **Xound**, Android music library manager. Over 15000 downloads.
Technologies: *Java, Android SDK, SQLite*  FlorentRevest/Xound
- 2011 **Quasar**, Tiny x86 kernel experiment.
Technologies: *C, x86 Assembly, VESA*  FlorentRevest/Quasar
- 2010 **Nebulae**, Full X11 desktop environment.
Technologies: *C++, Qt4, Xlib, Phonon*  FlorentRevest/Nebulae

Awards and Achievements

- Talks Gave technical conferences at international and local events like **FOSDEM** and **QtCon**.
- Media My projects have been covered by **hundreds of articles**, interviews, radios and magazines.
- Awards Named *Hero Open-Source Developer* by **Sony Mobile** for my contribution to their kernel.
- Contests **Google Code-In** 2009-10 & 2010-11: Contributed to KDE, HaikuOS and OpenIntents.

Education

- 2014–2019 **Diplôme d'Ingénieur Informatique**, *INSA*, Toulouse, France.
Currently enrolled in the equivalent of a Bachelor's degree in Computer Science.
- 2011–2014 **Baccalauréat Scientifique mention bien**, *Lycée St Jean de Garguier*, Gemenos, France.
Equivalent to a High School Diploma with honors.

Technical Skills

Languages	C, C++, Java, Python, QML	Software	Vim, Git, Bash, GNU/Linux
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Languages

French	Native language	German	Limited professional proficiency
English	Full professional proficiency	Mandarin	Elementary proficiency