

Florent Revest

Embedded Software Engineering Student

8 Allée des Sciences Appliquées, – Résidence 3, Appt. 1743,
31400 Toulouse, France

☎ +33 6 24 05 17 49 • ✉ revestflo@gmail.com
📄 [florentrevest.github.io](https://github.com/florentrevest) • 🌐 FlorentRevest • 📺 florentrevest

Work Experience

- Jul.-Aug. 2016 **Linux Kernel Engineer (Intern)** *Free Electrons, Colomiers, France*
Developed a v4l kernel driver for Allwinner Video Processor Units and adapted VLC, FFMPEG and libva to run on it. Part of a Free Software Foundation's 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 Open Source Projects

- 2015 **AsteroidOS**, Operating system for smartwatches based on Linux, Wayland, BlueZ and Qt
- 2014 **Raspcopter**, Drone flight system and ground control station for R-Pi, fully documented
- 2013 **Android apps**, A music player, an online game and a library manager. 15000 downloads
- 2011 **Quasar**, Tiny x86 kernel and bootloader experiments with VESA driver, FAT FS, paging...
- 2010 **Nebulae**, X11 desktop environment (desktop, wm, file manager, music player, text editor)
- Others**, Facial recognition algorithm, damaged disk recovery script and many more...

Awards and Achievements

- Articles Featured on **Wikipedia**, PCWorld, XDA-Dev, CNX-Soft, Golem, Frandroid and 300 others
- Conferences Speaker at **FOSDEM**, QtCon, Capitole du Libre, C++ Workshops, Embedded Meetups...
Helped **Jolla Oy.** achieve a *SailfishOS Watch* demo for investors and clients at Slush 2016
- Titles **Hero Open Source Developer**: Granted by Sony for my work on BCM SoCs in their kernel
Student-Entrepreneur: National status granted by the government recognizing my work
- Contests **Student Demo Cup**: Nominated to the Paris Open Source Summit's contest (2016)
Google Code-In: Contributed to KDE, HaikuOS and OpenIntents (2009-10 and 2010-11)

Education

- 2014–2019 **MSc in CS (Diplôme d'Ingénieur Informatique)** *INSA, Toulouse, France*
Data Structures, Algorithms, Networking, Computer Architecture, Applied maths, OOP, Database...

Technical Skills

- Languages** C, C++, Java, Python, QML **Libs** Qt, Android SDK, SQLite, ENet, Xlib
- Software** OpenEmbedded/Yocto, Git, Vim, Bash **Other** Wayland, BlueZ, DBus, i2c, PID Reg

Languages

- French** Native language **German** Conversational (8 years at school)
- English** Fluent **Mandarin** Beginner (3 years at school, ASINSA)