

# Florent Revest

*Embedded Software Engineering Student*

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## Work Experience

Jul.-Aug. **Linux Kernel Engineer (Intern)**, *Free Electrons*, Colomiers, France.

2016 I developed *sunxi-cedrus* a video4linux kernel driver and a corresponding libva backend for Allwinner Video Processor Units. This task was part of a FSF's High Priority Reverse Engineering Project.

Jul. 2015 **Embedded Software Engineer (Intern)**, *Open Wide Ingénierie*, Toulouse, France.

I developed an *eglfs* plugin for the Enlightenment Foundation Libraries to provide hardware acceleration on embedded Linux. It led Open Wide Ingénierie to a contract with Samsung Electronics.

## 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 I 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

Softwares Vim, Git, Bash, GNU/Linux

## Languages

French Native language

German Limited professional proficiency

English Full professional proficiency

Mandarin Elementary proficiency