

Pierre-Hugues Husson

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Education

2010–2013 **Master Degree in Engineering**, *Ingénieur Telecom ParisTech*.
Major: Embedded systems

Work experience

2016–2017 **Lead software engineer**, *Archos*, Igny, Paris Area.

- Manage B2B customer technical relationship and development
- Manage Archos France engineers

2014–2015 **Software engineer**, *Archos*, Igny, Paris Area.

- Creation of Android firmware-editing tools
- Creation of Archos Fusion Storage
- Development and operation Archos OTA system
- Collection and analysis of device statistics (based on ES/Kibana)
- Development of testing tools and CI
 - Automatic Android firmware tests
 - CTS/GTS integration
 - Continuous build of various Android apps
- Handled various software security issues
 - Early-detection of in-firmware PHAs
 - Binary security patches experiment
- Contributions to Archos Video Player
 - Audio passthrough support
 - Torrent streaming support

2013 **Intern**, *SeQureNet*, Paris.

- PCBA conception (schematics, routing)
- FPGA programming
- Linux user-space driver for FPGA

Voluntary experience

2010–2015 **Rezel voluntary association**, *Telecom ParisTech student house*.
President of the association
Managing and maintaining the local network (circa. 500 subscribers)

2008–2010 **XDandroid**, *Android port to Windows CE-based phones*.

2015–2017 **p hh's SuperUser**, *An SELinux-aware Android super-user*.

- SU app
- SELinux policy edition tool
- boot.img file format editor

2010–2011 **Toshiba AC100 opensource support**, *ARM-based laptop*.

- NVEC reverse engineering and driver creation (driver mainlined since then)
- Userspace audio codec driver

Miscellaneous open-source contributions.

- Bugfixes in Apktool
- Bugfixes in Linux Kernel Library
- Linux support of RC5T619 PMIC
- TWRP support for some Archos devices
- Rockchip ports (mali driver, vtl_ts, build fixes, codec, ...)
- DHCP on Android connection-time analysis