

Pierre-Hugues Husson

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Education

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

Work experience

- 2018– **Software engineer, kickstarting Android, Softathome, Colombes, Paris Area.**
- Android firmware/apps CI
 - Generic System Image PoC (8 SoCs vendors)
 - Android-stack tv player (ExoPlayer-based)
 - Viaccess DRM integration
 - Improved SmoothStreaming support
 - DVB/multicast support (DVB-T, DVB-SI, ...)
 - Android metrics analysis
- 2016–2017 **Lead software engineer, Archos, Igny, Paris Area.**
- Manage B2B customer technical relationship and development
 - Manage a team of 4 engineers in France
 - Manage remotely a team of 4 in Shenzhen
- 2014–2015 **Software engineer, Archos, Igny, Paris Area.**
- Creation of Android firmware-editing tools
 - Development and operation of Archos OTA system
 - Collection and analysis of device statistics (based on ES/Kibana)
 - Development of testing tools and CI (Android firmwares, CTS, GTS, apps, ...)
 - Early-detection and removal of in-firmware PHAs
 - Binary security patches experiment
- 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 **phh's SuperUser, An SELinux-aware Android super-user.**
- SU app
 - SELinux policy edition tool
 - boot.img file format editor
- 2017–2018 **Phh-Treble, Android Generic System Image.**
- Maintaining support for Android 8.0/8.1 vendor
 - Vendor-specific workarounds in Android framework
 - Support for vendor-specific features
- 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.**
- Linux support of RC5T619 PMIC
 - Bugfixes in Apktool
 - Rockchip ports (mali driver, vtl_ts, build fixes, codec, ...)
 - DHCP on Android connection-time analysis