

Embedded Linux Engineer

IT Skills

Programming	C, Java (JSE, Android ...), C++, Python, Bash, Assembly
Tools	Vim, Git, Svn, GCC, GDB, Eclipse, Buildroot, LaTeX
Unix/Linux	Debian, Linux From Scratch, ArchLinux, SimpleOS, Solaris, Android
Domains	System development, Linux Kernel, Networks, Security
Languages	French mother tongue English fluent (10 month in Ireland) <i>TOEIC June 2007 : 840</i> German basic

Experiences

Since April 2011

DxO Labs

Embedded Image Science

Firmware development, board setup, android integration

Technologies used : C, Kernel, Linux, Android, ISP

2010-2011

SAGEM Comm for Protectic

Linux Driver Set-top Box

Support and debug of drivers (File system, Hard Drive, Video, Audio ...)

Technologies used : C, Kernel, Linux, OS21

2008-2010

SAGEM DS for OpenWide

Simulation bench for equipments of a Mirage F1

Add features and technical expert

Technologies used : C, Xenomai (Real time), 1553

SAGEM DS for OpenWide

Simulation bench for equipments of Mi 24

Consolidation of a system adapted to an aircraft (Mirage F1)

Technologies used : C, Xenomai (Real time), 1553

RATP for OpenWide

Application testing cameras quality

Computer Vision Server improvement and stabilisation

Technologies used : C++, Qt

Police Judiciaire for OpenWide - Systematic

Video processing Box

Embedded computer vision + Android visualisation client

Technologies used : C, bash, Wifi Mesh, Android, Camera Axis

Airbus for OpenWide

Auto tests application

Improve tests for hardware validation

Technologies used : Python, HTML

LaCie for OpenWide

Embedded software for Network Attached Storage (NAS)

Development of a new configuration system

Technologies used : front-end : GWT, back-end : Python, C

School

2005-2008

ENSEEIHT Toulouse, France

Ecole Nationale Supérieure d'Electrotechnique, d'Electronique, d'Informatique, d'Hydrolyque et de Télécommunications

Engineer's Degree in IT and Applied Mathematics

2007-2008

University College of Cork, Cork, Ireland

IT Student with ERASMUS

2003-2005

Chaptal Paris, France

Classes préparatoires (Math Sup/Spé)

Personal Projects

- Android (Applications available on Google market)
AlgoAndPicture : Computer vision on picture (face detection, border detection ...)
AlgoAndVideo : Computer vision on video
MultiSMSSender : SMS Sending applicatio
Projects hosted on : <http://mathux.dyndns.org/>
Technologies used : Android SDK et NDK , OpenCV

Hoobies

- Sport (Viet Võ Dao, Climbing).
- IT ! <http://mathux.dyndns.org/>
- Guitar.
- Motorbike (Fz6 s2 et ZXR750)

Contact

Mathieu Maret
mathieu.maret@gmail.com