Maxime

ROELANDT

Single, Age 27

11, Maisonneraie de Chanteloup
62410 Meurchin
FRANCE

E-mail : mroelandt@gmail.com
Phone : +336 – 61 – 25 – 72 – 69
Clean driving license

Curriculum Vitae

Major Skills :

Programming languages :

ASM GNU / NASM, **C**,
Pharo Smalltalk, **VisualWorks**, Haskell, Prolog, Python,
PHP, HTML, CSS, **JavaScript** and **AJAJ** concept.
C++, **Java**, Android SDK, PCRE Regular Expression, VBScript.

Framework and Librairies :

JQuery, Spring, AngularJS, SFML, kivy.

Operating system and software services :

Development of double authentication system with AES for bankcard number storage. Sym
netric keys are stored on pendrive (I've also developed a module to perform basic operations
with libusb library).
Rewriting of C++ drivers to C for rflpc library of the University of Lille1
Development of tiny operating system (cours système master1)
Gestion des accès sur disque dur et système de fichiers (system course of Master degree)
From scratch development of printf function in ASM (optional course of Bachelor degree)
Debian, Ubuntu, Windows, Postfix, FTP, VNC.
LAMP / WAMP environments. WSGI / FCGI interfaces…
Container / hypervision : Docker, Xen, Virtualbox, (VMware)
Distributed systems : MPI, Hadoop, Spark

Database :

PostgreSql, MySql**,** MongoDB, Hibernate ORM**.**

Security :

Port knocker, iptables, fail2ban
x64dbg, IDAPro, OllyDbg
SQL / XSS injection, buffer overflow
Writing a python algorithm to decipher the Vigenère cipher

Academic studies :

Septembre 2017	Master 2 Research in System and Network (TIIR) at University of Lille 1.
2016-2017	Master 1 in Computer Science at University of Lille 1.
2015-2016	Bachelor in Computer Science at University of Lille 1.
2013-2015	HND in Computer Science at IUT of Lens.
2005-2008	Baccalaureate STG CFE (French secondary school diploma) with honors, Voltaire High School in Wingles. Major : accountancy.

My home projects :

- I'm currently writing a js parser in Pharo and C
- Creating a youtube video aggregator with Pharo Smalltalk : http://stellarpulse.one/
- Development of 2d isometric game in Java.
- Development of ORM and a website in python with chat (Jinja2, Psycopg2 + Postgresql).
- August 2013 : Real estate website (PHP, JQuery (AJAJ)).

Languages :

French : Mother tongue.

English :
- Good for reading computer technical documentation.
- Score of 710 in TOEIC training.

Professional experiences :

April 4 to September 2, 2016	5 months of internship at Inria Lille Europe in RMoD team. Writing a VisualWorks Parser and Code Converter to Pharo Reengineering of a Smalltalk software.
April 13 to August 14, 2015	4 months of internship in connected object service at Atos Worldline.
2008-2012	7-months jobs in several accounting firms: MPB Expertise, NBPE Expertise, Fiducial.

Personal interests :

CAM : Computer-Assisted Music (electro, trance).
Sport: Muscular reinforcement at the Rabelais gym in Carvin.

References :

Teachers and post-doctoral researchers at the University of Lille
RMoD team : stephane.ducasse@inria.fr

On request.