Thomas VIVET

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Nationality: French
Age: 27 years old
Marital status : Single
National service : Delayed

PROFESSIONAL EXPERIENCE

- **05-2004 to 07-2004: Sony NSCE** - Brussels (Belgium)
  Developed some parts of the **GUI** of music browser based on **meta-data**. Used the Eclipse IDE platform.
  Java, ClearCase, CMM

- **10-2003 to 04-2004: Sony NSCE** - Brussels (Belgium)
  Specification, design, implementation, testing and deployment of **k**eyboard, **v**ideo, **m**ouse modules. Those modules are used to run the same test of an automated build and test system on heterogeneous hardware platforms.
  C/C++, java, jni, bash, ClearCase, CMM

- **03-2003 to 09-2003: Sony NSCE** - Brussels (Belgium)
  Worked in the **SQA** (Software Quality Assurance) team.
  Specification, implementation, batch run, and report of tests for black box testing of **NSG** (a graphics library running on Linux targets). Use of **TAF** (Test Automation Framework) to run the tests and produce the tests reports.
  C/C++, bash, ClearCase, CMM

- **11-2000 to 03-2003: Sony Software Development Center Europe (SDCE)** - Brussels (Belgium)
  Development of drivers/middleware for Canal Plus new generation of **set-top box** (G2 project, now named Pilotime satellite decoders).
  The features of the new box are as follows: Dual CPUs (NEC EMMA2 based with a MIPS core), twin tuner, twin decoder, 80 GB hard disc for 40 hours of record time and time shifting, 64 MB RAM, built-in modem, smart card readers, USB port and SPDIF connector ...
  Worked on the **Mass Storage** Device which is in charge of storing/retrieving information to/from the hard disk, flash and Eeprom media. The hard disk part was in charge of the **VCR** functionalities of the set top box.
  Also act as **SCM** for a few month on that project.
  Keywords: ATA, MPEG, DVB, C/C++, python, ClearCase, ClearDDTS, CMM.

- **04-2000 to 09-2000: NPTV** - Paris, France
  Development of the interactive motor BANDO (internal software which allows programming for all **interactive TV** platforms) on **PDA** (Portable Digital Assistant) in JAVA.
  Training course of 5 months

- **1999: Soft-Maint** (Sodifrance group) - Nantes, France
  Design and realization of an editor dedicated to a scripting language: editing, control of script then generation of corresponding code in XML. Languages: Java and XML
  2 months contract

- **1999: Soft-Maint** (Sodifrance group) - Nantes, France
  Improvement of a module quality control of code of the Semantor software, tool for retro-design. Language: Smalltalk
  4 months training course

- **1998: Outland** - Nantes, France
  Design and set-up of the Outland web server as trainee during 2 months

- **1997: Technopole Quimper-Cornouaille -** Quimper, France
  Design and writing of HTML pages, for the Cornouaille festival
  1 month training course

- **1996: Technopole Quimper-Cornouaille -** Quimper, France
  Carrying out the Technopole web server as trainee (1 month)

EDUCATION AND QUALIFICATIONS

- 1999-2000 Laboratory of Data Processing - Avignon, France
  DESS (Diplôme d'Etudes Supérieures Spécialisées)
  Postgraduate degree in computer sciences
  "Design and Administration of Human-Machine Communication systems" :
  - Signal processing, Probabilistics models, Linguistical modelisation, Speech recognition, Tools for speech processing
  - Neural networks, Decision trees
  - Indexing and information retrieval, Coding of textual information
  - Ergonomy, User interface and Human-Machine Dialogue
  - Scheduling, Optimisation
  - Advanced Java programming

- 1996-1999 Le Mans University: IUP MIME - Le Mans, France
  Institut Universitaire Professionnalisé **M**icro-**I**nformatique, **M**icro-**E**lectronique (Software and Hardware)
  DEUG, **Licence** and **Maîtrise** MIME , IA option (**I**ntelligence **A**rtificielle). Awarded of **"Ingénieur maître"** title.
  A selective Three-year course equivalent to: Master of Science in Computer Science and Artificial Intelligence

- 1995-1996 Le Mans University - Le Mans, France
  DEUG (Diplôme Universitaire d'Etudes Générales) Sciences de la Matière first year
  (equivalent to: 1 year undergraduate course in Maths, Physics, Chemistry)

- 1994-1995 **Lycée G. Touchard** - Le Mans, France
  Baccalauréat S option Technologie Industrielle.
  (equivalent to: scientific and technical A-levels in secondary school)

SKILLS & COMPETENCES

- **Programming languages :** C, C++ and Java
- **Web languages :** HTML, XML, PHP and ASP
- **Scripting languages :** Javascript, expect, Unix shell (bash, csh) ...
- **Other languages :** SmallTalk, Caml, Prolog, Lisp, Clips ...
- **O**bject-**o**riented programming, system programming
- **Networks :** TCP/IP, X25, OSI, Ethernet, ATM, Token ring
- **Electronic :** Digital and analogical
  Microprocessors : Motorola 6809 and 68000, Intel 80C51, 80486 , Texas TMS320 DSP and Mips core
- **Operating systems :** Windows 9x/NT/XP, Unixes (Linux, Sun OS, HP-UX), DOS and Macintosh
- Databases: Access and SQL
- Methods : **CMM** level 3 (Capability Maturity Model for Software), **OMT** (Object Modelling Technique)
- **Technical presentations :** cryptography, RISC microprocessors, Linux operating system
- **Projects :**
  - RobiNet : mobile robot with a camera and controllable by Internet
  - Automation of the cupola of CAUM (Astronomy Club of Le Mans University) in order to control a remote telescope through the Internet. Java Programming (use of JDBC and servlets).

LEISURE & ACTIVITIES

- **Photography** (analogical and digital)
- **Sports:** in-line skating, walking, skiing, cycling, judo
- **Amateur Astronomy** (observations and astrophotography)
- **Computer science** (every day use of Internet services)
- Language skills: **French**: native language.
  Fluent **English** (I spent three weeks in 1993 in Detroit, USA and I worked nearly 4 years in an English speaking environment)
- Clean **driving license**
- I like travelling and visiting countries. I went in Europe, Japan (Tokyo), China (Beijing, Shanghai), North Africa (Morocco, Egypt), USA (San Francisco, Las Vegas, New York, Detroit) and Mexico ...