

Sylvain Utard

17bis avenue du Général de Gaulle
95100 Argenteuil
FRANCE
Tél. +33 1 39 47 66 81
Port. +33 6 15 14 27 47
sylvain.utard@gmail.com

22 years old
Driving Licence

COMPUTER SCIENCE STUDENT, MAJOR IN AI

Objective: Internship from February to July 2008

Computer skills

- | | |
|--------------------------------|--|
| Concepts et algorithms | <ul style="list-style-type: none">• Data mining : SLIQ, ID3, C4.5, Apriori• Expert System : RETE, TREAT• Neural network : HEBB, Perceptrons, Kohonen• Frames, Blackboard, Fuzzy logic, CBR, Genetic algorithms, SMA |
| Languages and framework | <ul style="list-style-type: none">• C/C++/C#, Java• Ruby, Perl, Shell Script, PHP, ActionScript, JavaScript and HTML• .Net, QT, Ruby on Rails, Symfony |
| DBMS | <ul style="list-style-type: none">• MySQL, PostgreSQL |
| Operating System | <ul style="list-style-type: none">• Linux, FreeBSD, Mac OS X and Windows |
| Management | <ul style="list-style-type: none">• Team management, administration and project supervision |

Work Experience

Professional Experience

- | | |
|-----------------------|---|
| Since Jul 2007 | <ul style="list-style-type: none">• Main associate and webmaster of the website http://www.hostmedudes.com for Hostmedudes SàRL. I use the famous new framework Ruby on Rails with a MySQL database. To host this website I have my own dedicated server running Debian 4.0. |
| Oct-Dec 2006 | <ul style="list-style-type: none">• Internship at Gostai SAS, Paris Sud. During this internship, my mission was to develop a motion editor in C++/QT. In fact, this keyframe based editor permits to model a robot movement graphically, like the Adobe Flash editor. |
| Apr-Jul 2006 | <ul style="list-style-type: none">• Computer Science teacher for masters NTIC. I taught Internet concepts, HTML, PHP, CSS and JavaScript. |
| Jan-Jul 2006 | <ul style="list-style-type: none">• Work at 3IE, software and computing services company, Paris. I developed some websites in PHP and ASP.net with MySQL and SQL Server. |
| Since Sep 2003 | <ul style="list-style-type: none">• Main associate and founder of the website http://www.liveonbankiz.org for LOB SàRL. I created this website to learn PHP ; so the code is quite ugly, but the concept was great. In fact, it's a sort of online "Tamagotchi" where players have to bring up a virtual penguin. Today, more than 500.000 players have already signed in! With two dedicated servers (one for Apache, the other for MySQL) running Debian 3.1, it was the second biggest french online stockbreeding game from 2003 to 2005. |
| Since 2003 | <ul style="list-style-type: none">• Development of several websites (HTML, PHP, Ruby on Rails, ASP, ASP.NET, Flash) |

Achievements at EPITA

- | | |
|--------------------------|---|
| January-July 2007 | <ul style="list-style-type: none">• Assistant teacher at EPITA : leader of a 30 people team teaching programming languages to 3rd year students (240 students). With my entire team, we taught C, C++, Java, Perl, Ruby and Script Shell to 3rd year students thanks to projects we created or thanks to practical lessons. All the projects are corrected with automated ruby/shell scripts and each student receive a grade and can see on which tests he failed. |
|--------------------------|---|

Work Experience (continued)

- 2007**
 - Business rules : I developed a **C++ version of the famous RETE** algorithm. I bound the Ruby Library to my *C++* code to have dynamical rules. The project used the Autotools, Flex and Bison.
- 2007**
 - Datamining : I developed a **C++ version of the famous SLIQ** algorithm. I used a dataset found on the KDD world cup website.
- 2006**
 - 2nd at the **ImagineCup competition french final**, Software Design part. With 3 friends, I developed, a small *C#* software for laptops and PDAs for the famous **Microsoft** concourse. Our soft used the famous **WPF and WCF framework** which were in beta.
- June 2006**
 - I developed a **small game in Java**, an "Advance War" like (famous game on Nintendo DS/GBA). This game was tile based.
- January-February 2006**
 - I developed 2 small image processing applications in *C*. One detected an intruder in a learned background; the other aimed to find the transformation of a points set to recover a 3D object.
- September-December 2006**
 - I developed lots of Unix common command in *C*; like *ls*, *mv*, *find*, *grep*, ...

Education

- 2003-2008**
 - Master of Science in Computer Science at EPITA, Major in Cognitive Science and Artificial Intelligence
- July 2003**
 - French high school diploma with a major in sciences (Baccalauréat S), passed with honours

Divers

- French**
 - Mother tongue
- English**
 - Fluent, 915 at **TOEIC**
- German**
 - Middle level
- Hobbies**
 - Bodybuilding, team sport, Snowboarding