

Daniel WERNER

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Born Octobre 20, 1980 [26 years old]
Nationality: French and German
Single - Driving Licence
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EDUCATION

1998-2003 **EFREI**, Paris : (Ecole d'Ingénieur des Technologies de l'Information et du Management).
French Engineering School in Computer Sciences and Management. Graduated with honours.
Master of Science with a major in information technologies and advanced software engineering.

1997-1998 **Lycée Leclerc**, Saverne : Baccalauréat "S" (French equivalent to A Level - BS with emphasis in Maths and Sciences passed with merit) and Abitur (German A Level)

LANGUAGES

French and German **native (mother tongues)** - German language diploma **ZMP** passed with distinction (March 97).
English **fluent** : written and spoken. 12 years of studies. **TOEIC** diploma with 895 points out of 990 (April 02).

COMPUTER SKILLS

Operating Systems Unix Systems (Linux, Solaris, Irix), Windows 9x/NT/2000/XP, MacOS X, DOS
Programming C, C++, Java, **UML** conception , SQL, Perl, Shell Scripting, **Python**, **Windev**, Pascal, Prolog, asm 68k
Librairies **Qt**, **QSA**, **JFC/Swing**, **Qt Jambi**, **GTK+**, **OpenGL**, **MPI** (parallel programing), Win32-SDK
Internet **XML**, **XsLT**, **XsL-Fo**, **PHP**, **HTML**, javascript, **AJAX**, **Apache**, **MySQL**, **Oracle**, PostgreSQL, **ODBC**
Tools gcc, automake/conf, Visual C++, **Netbeans**, **Eclipse**, cvs, **svn**, **gdb**, **valgrind**, Rational (Rose, Purify), **doxygen**
Standards **CCSDS**: Packet Telemetry (PTM, AOS), Telecommand, Space Link Extension (SLE-API)

WORK EXPERIENCE

Since 2005 **Software Engineer** at ESA/ESOC in Darmstadt, Germany:

Since April 2006 **MAKALUMEDIA** - *Software Systems Engineering and Consulting.*
2005-2006 **CAM / C-S** - *Conception, Integration and Operation of critical systems.*
2 years Contractor Contractor for the Ground Station back-end infrastructures department (OPS-GIB). Working on the TMTCS product acceptance and quality assurance. I am currently supporting users who are operating, testing, simulating or interfacing with the system on the new end to end (SLE) chain. Involved in the requirement definitions of new features in collaboration with the operational users. Also working on the integration and testing of the interfaces to all neighbour subsystems, as well as on the installation procedures and tailoring automatism for TMTCS in all ESTRACK Ground Station. Amongst other Missions, I am supporting Ulysses, Herschel/Planck, Cluster and Chang'E during validation tests, simulations but also operationally.

2004-2005 **ESA** - (Darmstadt, **Germany**) *European Space Agency (ESOC: Space Operations Centre).*
1 year YGT Program Ground Station back-end infrastructures department. Analysis and elaboration of system requirements. Subsystem simulator specification and implementation. Development of a cross-platform, network based and scriptable **simulator** for testing the TMTCS which will be integrated to ground stations for all future spacecraft missions. Preparation and participation in quality testing and the testing campaign for official acceptance. (C++ / Qt / QSA Script Interface)

2004 **FRAMESTORE-CFC** - (London, **UK**) *Leading European visual effects and computer animation company.*
3,5 months Staff Render Support department. Coordinating, prioritizing and optimizing render requests for 3D render and 2D composite jobs. Managing crews and limits on a per show and shot basis, I worked closely with 3D artists on solving render problems. I also developed tools allowing a better overview of the render farm, useful for tracking problems and access to other specific and personalised information. (Perl / Python / shell)

2003 **DUBOI** - (Paris, **France**) *Digital special effects and postproduction company.*
6-month internship Research and Development department. Work on the architecture and the new conception of the famous 'Dutruc' software. Study and optimisation of several software components, many algorithms and improvement of the functionalities of the picture viewer of 'Dutruc'. (C++ / Qt / OpenGL)

2002 **IT CONSULT** - (Paris, **France**) *Consulting Company in new technologies.*
4-month internship Conception and creation of a PHP / MySQL / XML - XSLT **application** for standard IpaQ pocket PC.

COMMUNITY INVOLVEMENTS

Associations Since 2006 : **ESOC Climbing Club** (Treasurer), **Waterpolo Club** (Secretary) and **French Cine Club** Comitee.
2001-2003 : General Coordinator of the Network Gaming Association '**Club ReZo**' of EFREI.

Sports Triathlon, climbing, waterpolo, gymnastics (13 years - Fr. championships), orienteering, skiing

Hobbies Cinema, music, **web-design and development**, Photography

Social 1997 : Group animator at a summer camp of 300 teenagers aged between 14 and 18 years.

Music Violin : 10 years of music school education.

References available upon request

My online CV with all Internships and more details about some of my projects can be found under the following link : <http://cv.daniel-werner.info/>