

DUBERGA Jean-Christophe
Born in Pessac (France) the Feb/12/1980



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Education :

2003	DESS Informatique Multimedia , i.e. engineer degree (image and sound processing/analysis/synthesis...) passed with distinction at Bordeaux I University.
2002	Maitrise Informatique , equivalent to a Master's degree in computer science at Bordeaux I University.
2001	Licence Informatique , equivalent to one's degree in computer science passed at Bordeaux I University.
2000	BTS Informatique Industrielle , equivalent to a vocational training certificate in data processing passed at the secondary school Alfred Kastler, Bordeaux.
1998	BAC STI genie Electrotechnique , equivalent to a Level passed with distinction. (Gustave Eiffel, Bordeaux).

Professional experience :

Bordeaux2 University January - June 2005	Software engineer. I carried out the migration to LDAP directories (25K users) for authentication, white pages and sendmail aliases of the Bordeaux2 university's employees and students (Perl, PHP, Oracle, Postgres, Cyrus, Squid, Horde, CAS).
GC Production 2004	As freelance software engineer, full developpement of a Karaoke machine : home made Linux embedded system , GTK2 graphical interface. Writing of a linux driver for ItmTouch touchscreen
MNEA 2000 - present	Webmaster of the site www.mnea.fr for the mutual insurance « Mutuelle Nationale Entraide Administrative » (using PHP, CSS and XHTML).
Thales Avionics April – Sept 2003	Software engineer in the « Cockpit Display System » division of Thalès Avionics. Improvement of one of their flight simulator's terrain rendering engine using level of detail (LOD) technic (OpenGL, Vertex and Pixel Shaders in Cg)
Pub "The Knights" July - August 2000	Employee in the pub « The Knights » at Shannon (Ireland).

Software developping skills :

Languages : C, C++, Perl, PHP, basic knowledge of LISP and JAVA.
System/Network programming (ANSI, POSIX, LINUX, BSD).
Intense use of the GNU development environment since 6 years.
Minimalist and homemade linux distributions, Diskless workstations (DHCP, NFS, LDAP, PXE)

3d programming with OpenGL (Shaders programming with Cg and GLSL).
Image processing (spatial and spectral domain filters, mathematical morphology, histogram based methods, colorimetry)
Sound processing (resampling, spectral analysis, psychoacoustic models)

Website : <http://jeanchristophe.duber.free.fr>

Additional information :

French : native language

English : read, written, spoken, especially technical english

Driving licence and boat licence

Developer of the [TinyPlanet](#) software

Linux exhibitor at various occasions

Active member of the ABUL (Not-for-profit organization for Bordeaux's free-software users)

Referees :

CRI – Bordeaux2 University:

Data-processing Ressources Center's Vice-Director: Ms Françoise Galin

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GC Production : Mr Patrick Guillet

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Thalès Avionics:

Training director: Mr Olivier Rols, olivier.rols@thales-avionics.com

DESS Multimédia:

Director: Ms Carole Blanc, cblanc@labri.fr

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Lycée Alfred Kastler:

My form teacher (BTS Informatique): Mr Jean-Paul Perez, jeanpaul.perez@wanadoo.fr

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