

Thomas Guignard

16, rue du vert bois
25480 Ecole-Valentin, France
0033 675 486 364
tguignard@gmail.com

Besançon, 20 October 2008

Object: **young acoustical engineer looking for a job**

Dear Madam/Sir,

I have recently successfully graduated from the Centrale Graduate School of Marseille (France), with an engineering degree in acoustics and I am now seeking a challenging and motivating job opportunity in the field of audio and acoustics.

My 5 year study period in the UTBM University, Belfort France, including internship in foreign countries with a high proportion of practical project work has provided me with a solid general grounding in mechanical engineering and design. During my final year internship in the University of Sydney (Australia), I specialized myself in the field of acoustics because of my strong interest for audio engineering and music. Here I was very fortunate to carry out a research project under the direction of Neville Thiele about the optimization of absorptive materials in loudspeaker enclosure. This unique experience gave me first insight into signal processing and acoustic measurement. In the meantime, I enrolled in the Sydney University's "Audio and Acoustics" Masters programme where I studied the current tools and techniques, as well as the underlying strategies, processes and inherent philosophies involved in the various audio production modes.

To complete my university studies, I validated with Honors a Master's degree in acoustics at the Centrale Graduate School of Marseille. By incorporating the R&D brand of the French telecommunication company France Telecom (Orange Labs), whose research is focused on 3D audio technologies, I was able to apply my knowledge as part of a research project on the binaural synthesis. This allowed me to gain valuable insight into acoustics, psychoacoustics and signal processing with a large part of Matlab programming.

Dynamic, adaptable and open-minded, I would be glad to work on a project in accordance with my skills and would welcome the opportunity to discuss any job vacancy with you on the telephone or at an interview. My resume is enclosed for your review. Please let me know should you require any further details.

Thanking you for your time and consideration, I look forward to hearing from you.

Sincerely,
Thomas Guignard

Enclosed: Curriculum vitae

Thomas Guignard

24 years old

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ACOUSTICAL ENGINEER

Education & Diploma

Sept 2007
to Mar 2008
(6 months)

MASTER OF ACOUSTICS

Centrale graduate school Marseille & Laboratory of Mechanics and Acoustics (CNRS), France
Specialization: mechanics, physics and modelling

Feb 2007
to Jul 2007
(6 months)

MASTER OF AUDIO & ACOUSTICS

Faculty of architecture, design and planning, Australia
Specialization: audio production and sound design

Sept 2002
to Jul 2007
(5 years)

MASTER IN ENGINEERING, MECHANICS AND DESIGN

University of Technology of Belfort-Montbéliard (UTBM), France
Specialization: ergonomics, design and digital engineering. Option: art and digital technologies

Jun 2002

FRENCH SCIENTIFIC BACCALAUREAT

High school "Jules Haag", France
Equivalent to high school graduation/A-levels in Sciences with emphasis on physics

Work Experience

Mar 2008
to Aug 2008
(6 months)

RESEARCH ASSISTANT IN 3D AUDIO TECHNOLOGIES

Orange Labs, France / R&D department of the telecommunication company France Telecom
Customization of the Head-Related Transfer Functions (HRTF) for the binaural synthesis. Paper presented at the 125th convention of the Audio Engineering Society, October 2-5 2008, San Francisco (signal processing, acoustics, psychoacoustics, 3D audio technologies, Matlab programming)

Feb 2007
to Jul 2007
(6 months)

RESEARCH ASSISTANT IN LOUDSPEAKER ENCLOSURE DESIGN

University of Sydney, Australia / Acoustics Research Laboratory
Optimization of absorptive materials in loudspeaker enclosure (empirical investigation of materials in loudspeaker boxes using physical measurements and theory. Electrical impedance, laser Doppler vibrometry, acoustic measurements, flow resistivity, acoustic impedance, modelling)

Sept 2006
to Feb 2007
(6 months)

WORKSHOP IN ELECTROACOUSTIC MUSIC COMPOSITION

Music school of Montbéliard, France
Musical applications programming using Open Music and Max/MSP software

Sept 2005
to Feb 2006
(6 months)

RESEARCH ASSISTANT IN TRANSIENT SIMULATION

University of applied sciences of Berlin (FHTW), Germany / Solar studies laboratory
Identifying relevant factors in integral energetic behavior of buildings with transient simulation software TRNYSlite

Feb 2005
(1 week)

WORKSHOP IN SOUND ENGINEERING

Concert hall "Le Cylindre", France
Theoretical and practical introduction to sound, lighting and audio production

Computer Skills

Audio	Adobe Audition, Aurora, Audacity, Protools, Max/MSP
Programming	Matlab/Simulink, Fortran, Visual Basic
Design	Catia V5R16, Vrttools, 3Ds max
Desktop	Excellent skills in Office Automation, Latex
Others	Good skills in Mac & Windows environment

Languages

French	MOTHER TONGUE
English	FLUENT (read, written, spoken) Spent 6 months in Australia (2007)
German	FLUENT (read, written, spoken) Spent 6 months in Germany (2006) International degree “Zertifikat Deutsch” with Honors (2003)
Italian, Spanish	Basics acquired at university

Hobbies

Music	Piano, 8 years – Guitar, 5 years – Trombone, 5 years
Sport	Football, scuba-diving (PADI Open Water Diver license)
Others	Travel (Australia, Indonesia, USA, Canada, Europe)