

Miguel Vázquez-Prada Baillet

Curriculum Vitae

Personal Details

Name	Miguel Vázquez-Prada Baillet
Voice	+45 77410112 or +34 634904518 or <i>miguelvpb</i> on Skype
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Web	www.gatodante.com
Curriculum Vitae WebSite	For detailed CV and portfolio, please check: www.gatodante.com/portfolio/
Date of Birth	26 th April 1971
Citizenship	Spaniard / French

Education

1977 – 1990	Primary and Secondary School (Zaragoza, Spain) Primary studies in a bilingual school (French and Spanish)
1991 – 1997	Graduated in Physics (Faculty of Physics, University of Zaragoza, Spain). Studied Theoretical Physics and Astrophysics.
1998 – 2006	Advanced Studies and Research Diploma, Researcher, Ph.D. Student Faculty of Physics, University of Zaragoza, Spain. Main Subjects: Astrophysics, Geophysics, Statistical Physics and Complex Systems.

Languages

Native	Spanish and French
Fluent	English

Education Related Work Experience

From 1994	Private Tutor: Work as a private tutor in a regular basis, in Mathematics, Physics, Chemistry, French, Spanish, Computer Science, etc.
1997	Assistant Professor in Astronomy (Classes in Application), University of Zaragoza.
1999 to 2000	Secondary School Teacher. Science and Computer teacher in a secondary public school in Zaragoza, Spain.
June 2007	Multimedia training, Nicaragua. Multimedia teacher for employees in AMICTLAN, Nicaragua.
2008	Documentary “A Freedom to Learn” (India) Production and Creation of a documentary about alternative education in rural schools in India. Educational workshops in the Rishi Valley School.
2008	Teacher training in Multimedia in Rishi Valley School, India. Teacher training in photo and video production, illustration, web design, etc.

2008 to 2009	Ecology and Environment Teacher (Mexico) Teacher in Mexican public schools, with own didactic projects.
2008 to 2009	Educational Projects Management (Mexico) Teacher training and development of instructional techniques and material in Mexican public schools.
May - July 2010	"Camp Festival" Organization in Christiania (Denmark) Organization of an educational festival for kids and adults in Christiania, Copenhagen, Denmark.
September 2010 – present day	Interactive hardware and software development of multi-touch setups, solutions and prototypes
March 2011 – present day	tangiblex.net creation of Tangiblex: multi-touch hardware and software solutions.

Scientific Career (please find a detailed scientific CV in www.gatodante/portfolio/)

Research and Scientific Publications	Researcher at the Theoretical Physics department, University of Zaragoza, Spain. Author of 16 scientific papers and active participation in several conferences and seminars. Researcher in the Complex Systems Group, British Telecom Company, England (2004).
Research Fields	Astrophysics. Global Climate models. Numerical models of fracture: fiber-bundle models, colliding cascade models. Cellular automata models and Self Organized Criticality: growth models, patterns of seismicity, earthquake forecasting. Statistical analysis of Lightning data. Hazard analysis. Synchronization and information spreading in complex networks. Scientific Ontology.

Other Works:

Scuba Diving	Dive Master, Scuba diving photographer and video production (Mexico and Honduras, 2005-2008). Production of the documentary "Cozumel's Blue" (2007)
Music	Musician, guitarist ("Pingüinos del Sur", etc.) and Music recording and production. Interactive computer music production and performance. Visit www.tangiblex.net for details.
Language translations	Worked as translator: Spanish to French, French to Spanish, English to Spanish.
Web page design	Web site design and development.
Photography	Digital and analog photography: Time Lapse photography, 3D techniques, High dynamic range photography, Scuba diving photography, Light painting photography, etc.
Video	Documentary production and filming. Author of two documentaries: "Cozumel's Blue" and "A freedom to learn"
Author	Author of two books: -"Mundo onírico, pequeña guía de sueños lúcidos" (Lucid Dreaming guidebook) -"Vida" (Life) (work in progress). Audio Tale: "Un troll en el Moncayo", from a Ricardo Vazquez-Prada's tale: http://soundcloud.com/miguelvpb/sets/un-troll-en-el-moncayo/
Sound Recording	Sound recording, production and postproduction: Music production, Nature sounds recording, etc.
Interactive Software and Hardware	September 2010- present day: Creation of tangiblex company, multi-touch interactive hardware and software solutions. Visit www.tangiblex.net
Interactive Art	Music and Video interactive installations: interactive generative music and graphics, (work in progress).

Computer Related Experience (advanced/professional level) :

Document Edition	Creation and edition of text documents, presentations, slideshows, interactive presentations, podcasts, etc. Related Software: Office Suite / Open Office Suite / LaTeX / Logic Pro /
Video Edition and Production	Creation of documentaries, tutorial videos, short-films, etc. Custom video effects. Advanced Edition/Production Workflow. Video/Graphics programming, Vjing. Related Software: Final Cut Pro, Sony Vegas, Open Frameworks, C++, Processing, Resolume, etc.
Sound/Music Edition and Production	Advanced Audio Recording/Edition/Production Workflow, programming, etc. Related Software: Logic Pro, Ableton Live, Integra-Live, Pure Data, MaxMsp, Max4Live, OpenFrameworks, C++, Processing, Audacity, OSC, etc.
Web design	Creation and design of web sites. Visit www.gatodante.com/portfolio/ for details.
Photography: Edition and Production	Advanced Digital Photography Edition/Production workflow. Related Software: Photoshop, Glimp, Ink, etc.
Multi-touch Interactive Software	Creation of multi-touch interactive software. See www.tangiblex.net for details. Related software: C++, OpenFrameworks, Processing, MaxMsp, Reactivision, CCV, etc.
Scientific Research	Scientific computer simulations. Mathematical programming. Graphical and Video display of data. Related Software/languages: Fortran 77, C++, Mathematica, OpenFrameworks, etc.
Hardware repair and upgrade	Computer hardware reparations, upgrades and hacks: Desktop and laptop computers: Macintosh/PC.
OS Platforms	Mac OSX (advanced) Windows XP/2000/Vista/7 (advanced) Linux (medium).

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