

Diego SANTA CRUZ

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Date of birth: July 24, 1973
Marital status: married
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WORK EXPERIENCE

Research Assistant, Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland **1998 – present**

- Development of image compression and watermarking and 3D model compression algorithms; author and co-author of 2 patents, 11 refereed publications and 1 article in a technical magazine, winner of a best student paper award (2002)
- Project management: technical manager and lead developer of JJ2000 (next ISO image compression standard, JPEG 2000, 4 persons, 1999-2000) and NexImage (advanced image compression, 3 persons, 1998-1999)
- Technical consultant: Swiss delegate to ISO JPEG 2000 standardization (1998-2000); development of region-of-interest functionality in JPEG 2000 (1998)
- Teaching: in charge of "image and video processing" course at EPFL (2003-2004 winter semester); JPEG 2000 instructor at IEEE's International Conference in Image Processing 2001; supervision of 3 full time (4 to 6 months) and 4 part time (4 months) students' projects; teaching assistant for image and video processing course (1 semester)

IT Consultant, Cambridge Technology Partners (CTP), Geneva, Switzerland **1997 (8 months)**

- Analysis and definition of sales and help desk processes (Bobst and Phillip Morris, Switzerland)
- Analysis of a project planning, evaluation and tracking system (UNAIDS, Switzerland)
- Analysis of a vehicle leasing system (GE Capital Fleet Services, Holland)

EDUCATION

PhD in technical sciences, EPFL, Lausanne, Switzerland **1998 – 2003**

PhD thesis "Compression of 3D Models with NURBS", image processing field

M.Sc. in Electrical Engineering (9.1 over 10 average), EPFL, Lausanne, Switzerland **1992 – 1997**

Diploma work on "Robust techniques for object segmentation and tracking"

Exchange student, Carnegie Mellon University (CMU), Pittsburgh, PA, USA **1994 – 1995**

Exchange fellowship awarded by EPFL; nominated in the Dean's List (3.88 over 4 average)

COMPUTER SKILLS

Operating systems: Linux, Unix, Windows, MacOS
Programming languages: C/C++, Java, Perl, Unix shell, HTML, LaTeX
Utilities: MS Office, Matlab, CVS

LANGUAGES

Spanish: mother tongue
English: fluent oral and written
French: fluent oral and written
Italian: basic oral

OTHER ACTIVITIES

Telephone system replacement, Firmenich SA, Geneva, Switzerland **1996**

Teaching assistant, various labs, EPFL, Lausanne, Switzerland **1995 – 1996** and **1993 – 1994**

Volunteer, home construction and education of impoverished people, Uruguay **1990 – 1991**

HOBBIES

Golf, photography, water / alpine skiing, fly-fishing, travelling, sailing, art.