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science, 1989
francois@dechelle.net

École Polytechnique, 1982
Doctorate in computer

English: fluent

WORK EXPERIENCE

1990-2005 IRCAM (Institut de Recherche et Coordination Acoustique/Musique)

2002-2005 In charge of the "Free software and software engineering team"

- Development of Ircam's free software strategy. Coordination of open source software developments (<http://freesoftware.ircam.fr>).
- Partner of the AGNULA IST project (<http://www.agnula.org>), development of Linux distributions for audio and music.
- Research and development in distributed architectures: real time media streaming, grid computing.

1995-2002 In charge of the "Real time systems" team

- Conception and development of the jMax software (<http://www.ircam.fr/jmax>), a visual programming environment for real time music and multimedia applications.
- Development of music and multimedia applications based on jMax:
 - computer environments used in concerts,
 - sound synthesis environments for simulators (Eurocopter, Renault),
 - educational applications for music learning (MusiqueLab).
- Animation of a community of free software users and developers.
- Management of industrial collaborations (Genesis/Eurocopter, Renault, PSA) and european projects (RIMM, AGNULA).

1990-1995 Research engineer

- Hardware and software development of the Ircam Musical Workstation.
- Management of the relation with Ariel Corporation (USA) in charge of manufacturing and selling the station.

1988-1989 INRIA (Institut National de Recherche en Informatique et Automatique)

Expert engineer

- Development and test of a parallel langage compiler.

1984-1988 TRT (Télécommunications Radioélectriques et Téléphoniques) and INRIA

Doctorate/CIFRE engineer

- Conception and development of a workstation for rapid prototyping of telecommunications applications.
- Development of a multiprocessor machine for real time signal processing and of the associated software environment based on a parallel data-flow synchronous language.

TEACHING EXPERIENCE

Since 1985 Training consultant and teacher

- Conception and animation of training sessions for engineers (formal logic, Lisp, development on Unix, C++, Java, Swing, EJB, Linux) for NOVIA, NSL, Défi Formation, LTM-SA and Orsys companies.
- Teaching in different schools of engineering: ENSTA, ENST, ESIEA, CNAM.