

# Europass Curriculum Vitae

## Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

## Education

1975-1977

1981-1986

## Experience

April 2011–current

2011–current

February 1994–Mais 2011

responsibilities

- unit-test infrastructure and daily builds
- compile/build infrastructure for a group of about 10 engineers, based on GNU-tools and jam/bjam
- glue, ad-hoc macros, utilities for automatically handling bug reports
- introduction/customization of vxWorks/Tornado and VisualSlick editor
- maintained SUN/Solaris and GNU/Linux servers running samba, distcc, ccache
- project leader for the proprietary base IO library (C/C++)
- ported in 1995/1996 the control software from PLM to C using a converter

2007–2009

February 1991–January 1994

responsibilities



**Giger, Ernst Niklaus**

Wieshoschet 6  
CH-8753 Mollis  
Switzerland

+41(0)55 612 20 54      Mobile: +41(0)77 473 02 59

niklaus.giger@member.fsf.org

Swiss

October 14, 1955

ETH Zürich, Dept. of Physics

EPFL (Federal Institute of Technology at Lausanne) Diploma in electrical engineering. Average 8.27 of 10.

Part time work at Solcept AG, Wetzikon

Freelance work for Elexis, an Eclipse based application for all aspects of a medical practice. Release manager since February 2011

Senior Software Engineer at Netstal Maschinen AG, CH-8752 Näfels, Switzerland

bring-up of PPC440EPx, PPC405Gpr and PPC403 based controller boards including BSP modifications for vxWorks and u-boot

- unit-test infrastructure and daily builds
- compile/build infrastructure for a group of about 10 engineers, based on GNU-tools and jam/bjam
- glue, ad-hoc macros, utilities for automatically handling bug reports
- introduction/customization of vxWorks/Tornado and VisualSlick editor
- maintained SUN/Solaris and GNU/Linux servers running samba, distcc, ccache
- project leader for the proprietary base IO library (C/C++)
- ported in 1995/1996 the control software from PLM to C using a converter

Maintained buildbot of the xenomai real-time extension to the Linux kernel  
Software Engineer, Andreas Fritschy Umwelt-Informatik, CH-8005 Zürich, Switzerland

SQL/Forms development using the Oracle DB Version 6.x and 7.0

- maintenance of the VMS server
  - SW installation and introduction to the customer
  - user and developer documentation
- January 1987–January 1991 scientific collaborator, ABB Research Center, CH-5200 Baden-Dättwil, Switzerland
- responsibilities
- co-development of a resilient Remote Procedure Call framework called “Alphorn”
  - responsible for the porting to new boards (x86) and operating systems (VMS, Unix, MS Dos)
  - implemented a prototype of a redundant controller system for the Bahn 2000
- 1985-1986 Rewrote a BASIC program of about 5000 lines into Pascal to command an external IO interface for Claude Durand, dipl. él. ing. EPFL, Ascona
- 1982-1986 Helped the director Pierre Dupland to introduce information technology in a institution for elder people (EMS La Colline in Chexbres)
- 1980-1982 Employee at Rubeli-Guigoz, Ecublens. Handled customer commands by phone/mail.
- 1987-1980 Employee at the Werkzeug-Maschinenfabrik Örlikon-Bührle, Zürich. Price calculation for spare parts, internal order surveillance, participated in the introduction for a IT based order

## Languages

Mother tongue(s)

### German

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**French**

**Spanish**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user

*(\*) Common European Framework of Reference (CEF) level*

- I passed the Cambridge Proficiency with Grade B in June 1981
- I lived 6 years in the french speaking part of Switzerland

## Computer skills

OS

vxWorks, Linux, Unix, Windows, VMS, moderate administration skills for Linux

Programming

C/C++, Modula-2, scripting, Shell, Ruby, Python, Tcl, bjam

Web design

HTML, database, Oracle, MySql

## Interests

Outdoor activities

I spend quite some time with my family outdoor. We bike in our valley or make longer tours to Lausanne, Paris or whatever comes to our mind. In the winter we go skiing.

Community work	Presided for 9 years the local tourist association. Editor of the quarterly review of our village.
Ecology	Since having discovered “The limits of growth” and having seen a lot of poverty in Latin America I strive more and more to live in accordance with “Think globally, act locally”.
Free software	I had been a pleasure to be able to tinker with a lot of aspects since - at least for my private needs - I completely migrated from Mac OS to GNU/Linux based systems around 2000.
<b>Personal</b>	
Children	Two daughters from my first marriage Manon (5.12.1982) and Amandine (17.10.1987) and Gabriel (1.07.1990) from my wife Gim Gyong-Sug.