

Curriculum Vitae

PERSONAL INFORMATION

Full Name: Felix Johannes Weninger
Date and place of birth: June 18, 1984 in Munich
Citizenship: German
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EDUCATION

1990-1994 Peslmüller Elementary School, Munich
1994-2003 Karlsgymnasium München (corresponds to grammar school)
May 2003 Abitur (leaving certificate)
Average grade: 1.0
Major courses: Latin, Mathematics, Physics, Economy/Law

COMMUNITY SERVICE

2003-08-04 until 2004-05-31 at **Institute for Medical Informatics, Biometry and Epidemiology**, University of Munich, Germany

Areas of work:

- Development, maintenance and support of medical Intranet database applications
- Design and implementation of a database-driven analysis environment for gene expression data (see *Publications*)

ACADEMIC STUDIES

From October 2004 (winter semester) until November 2009:

Computer science (major subject) and electrical engineering (minor subject) at Technische Universität München, Germany

Summer 2006: Vordiplom (corresponds roughly to B. Sc.), average grade 1.4

November 16, 2009: Diploma, average grade 1.1

Diploma thesis: *Applications of Non-Negative Matrix Factorization in Speech Processing*

Scholarships

- From October 2004 until October 2005, I received a scholarship from the Bavarian state (Bayerisches Begabtenförderungsgesetz).
- From October 2005 until April 2009, I was a scholarship student in the Max Weber programme of German National Academic Foundation (Studienstiftung des deutschen Volkes).

Special courses

- *Inside Google – Algorithmics of Search Engines* at Ferienakademie (Holiday Academy) 2005, Sarntal, South Tyrol, Italy
- *Proofs and Computers* at Joint Advanced Student School 2006, St. Petersburg, Russia
- *Perlen der Informatik (Pearls of Computer Science) I-IV* (course for extraordinarily gifted students of computer science at TU München)
- *Numerical Simulation – From the Model to the Software* at Ferienakademie (Holiday Academy) 2006, Sarntal, South Tyrol, Italy
- *Natürliche akustische Mensch-Maschine-Kommunikation (Natural acoustic human-machine communication)* at Ferienakademie (Holiday Academy) 2008, Sarntal, South Tyrol, Italy

PUBLICATIONS

- [1] Björn Schuller, **Felix Weninger**, Martin Wöllmer, Yang Sun, Gerhard Rigoll: "Non-Negative Matrix Factorization as Noise-Robust Feature Extractor for Speech Recognition", to appear in Proc. 35th International Conference on Acoustics, Speech and Signal Processing (ICASSP), IEEE Signal Processing Society, Dallas, TX, USA, 14.-19.03.2010.
- [2] Björn Schuller, **Felix Weninger**: "Discrimination of Speech and Non-Linguistic Vocalizations by Non-Negative Matrix Factorization", to appear in Proc. 35th International Conference on Acoustics, Speech and Signal Processing (ICASSP), IEEE Signal Processing Society, Dallas, TX, USA, 14.-19.03.2010.
- [3] B. Schuller, A. Lehmann, **F. Weninger**, F. Eyben, G. Rigoll: "Enhancement of the rhythmic and harmonic sections by NMF: Does it help?" in *Proceedings of the International Conference on Acoustics (NAG/DAGA 2009)*, Rotterdam, Netherlands, 2009.
- [4] M. Dugas, **F. Weninger**, S. Merk, T. Haferlach: "A generic concept for large-scale microarray analysis dedicated to medical diagnostics," *Methods of Information in Medicine*, vol. 45, nr. 2, pp. 146-152, 2006.
- [5] A. Kohlmann, C. Schoch, M. Dugas, S. Rauhut, **F. Weninger**, S. Schnittger, W. Kern, T. Haferlach: "Pattern robustness of diagnostic gene expression signatures in leukemia," *Genes, Chromosomes and Cancer*, vol. 42, nr. 3, pp. 299-307, 2005.

PROFESSIONAL EXPERIENCE

January 2010 – **Research & Development**

Institute for Human-Machine Communication,
Technische Universität München

August 2002 **Database management**

KEA Bayern GmbH, Munich

September 2002 –

December 2009 **Freelance software developer**

References:

KEA Bayern GmbH, Munich

Development and maintenance of custom-tailored web-based business applications: CRM, Cost unit accounting

aquaKomm GmbH & Co. KG, Munich

Development and maintenance of a web-based document management system

Institute of Medical Informatics and Biomathematics, University of Münster, Germany

Maintenance and upgrades of a microarray analysis system

June/July 2004 **Linux system development**

SCHAUER Präzisionstechnik GmbH, Gilching (near Munich)

Development of a Linux-based server solution for a seismic recording station

Software upgrade of a monitoring system for power plants

OTHER

Languages

- German (mother tongue)
- English (fluent)
- French (intermediate level)
- Spanish (basic level)

Honorary work

- 1999-2003: Network administrator at Karlsgymnasium grammar school, Munich
- 2001-2003: Teaching assistant in a course on HTML, PHP and MySQL at Karlsgymnasium grammar school, Munich

Hobbies

- Classical music, playing the piano
- Mountain hiking