

Curriculum Vitae of Joachim Neumann

If I am not escaping the European winters in Southeast Asia, I live in Barcelona. I am German, 55 years old and have a PhD in Physics. In the last century I used to be a scientist in hearing research, an engineer in a hearing aid company in Copenhagen and since a couple of years I now work as software developer for my own company. Designing medical mobile apps and always be a passion of mine, but I am also happily developing mobile apps, webapps and backends, with iOS apps in swift being my favourite.

I critically look at the ethical aspect job offers and if you think I might be a fit, feel free to contact me over Skype (joachimbarcelona) or by writing to joachim@joachimneumann.com.

Since this is a CV, let me finish with a bit of tabularized information:

Apps

- ListenApp by Jacoti bvba (class IIa medical device)
<https://itunes.apple.com/us/app/jacoti-listenapp/id720203800?mt=8>
<https://www.jacoti.com/#apps>
I was the lead designer and developer at Jacoti for audiological aspects of the hearing aid, including optimizing the user experience for elderly users. I was also responsible for setting up the quality management system and receiving the CE certification for the app and for the management system from bsi (<https://www.jacoti.com/regulatory>)
- Agedio by IEM (class IIa medical device)
<https://itunes.apple.com/de/app/agedio-k520/id968317798?l=en&mt=8>
<https://agedio.com/de/produkte/b900.html>
I have been the lead product developer and programmer for IEM's blood pressure measurement devices and their usage in Pharmacies.
- Audimatch by Sonormed (class Im medical device)
<https://itunes.apple.com/de/app/audimatch/id1172771164?l=en&mt=8>
<https://www.sonormed.com/en/#audimatch>
I was responsible for the audiological aspects and the calibration of this hearing test, especially for its ease of use by non-trained personnel.
I was also remotely involved in improvements to Tinnitracks
<http://www.tinnitracks.com/en>
<https://itunes.apple.com/de/app/tinnitracks-tinnitus-therapie/id972063556?l=en&mt=8>
- Safe Listening by the WHO (not released to the market)
<https://www.who.int/pbd/deafness/activities/MLS/en/>
I was responsible for the audiological aspects and usability of this sound dosimeter, developed together with Hoertech Oldenburg.

See my git repository and iTunes pages for more open source (non-medical) apps:

<https://itunes.apple.com/vn/developer/joachim-neumann/id741515887>

<https://github.com/joachimneumann?tab=repositories>

I have been involved in other medical apps that are covered by a strict NDA and therefore cannot be mentioned here.

Professional experience

October 2013 – now	Independent IT Consultant and founder of Mindo Software SLU
January 2012 – September 2013	Head of Development at Jacoti Hearing Technologies, Barcelona
June 2008 – December 2011	Researcher at Telefonica I+D, Barcelona
July 2007 – December 2007	Research in Music Information Retrieval, Universitat Pompeu Fabra
January 2004 – June 2007	Research on Human machine interaction in a smart room at the Technical University of Catalonia, Barcelona, Spain
August 1998 - December 2003	Audiological Research at the Oticon research centre Eriksholm in Copenhagen, Denmark
January 1997 - July 1998	Hearing aid research at KIND in Hannover, Germany
January 1996 – December 1996	EEG- and MEG-based brain research at the Department for Clinical Psychology at the Humboldt University, Berlin, Germany

Education

October 1991 – February 1996	PhD in physics with “magna cum laude” at the Carl von Ossietzky Universität Oldenburg, Germany
August 1983 – October 1991	Master of science in physics (highest grade) on Otoacoustic Emissions at the University of Göttingen, Germany

Languages

German (mother tongue), English (proficient), Spanish and Danish (fluent)

IT

Profound knowledge in mobile development on iOS and Android, Objective C, Swift, Java, but also C, C++, Python, and DSP programming. Implementation of quality management systems for medical devices.