

Maximilian Bachl

curriculum vitæ

General information

Day of birth 26.6.1992
Nationality Austrian
Place of birth Vienna

Education

- From 9.2015 **EIT Digital Master, second year**, *Université Pierre et Marie Curie*, Paris, France.
Specialization *User-centric networking*
Average grade 17.4 out of 20 points
- 8.2015 **Future Networking Technology Summer School**, *KTH*, Stockholm, Sweden.
I participated in the summer school which included theoretical education about the *Internet of Things* and a business model competition
- 9.2014–6.2015 **EIT Digital Master, first year**, *University of Trento*, Trento, Italy.
The study program's focus is *Internet Technology and Architecture*
Average grade 28.5 out of 30 points
- 10.2011–
8.2014 **Bachelor of Computer Science**, *Technische Universität Berlin*, Berlin.
Average grade of 1.8 ranging from 1 (best) to 5 (worst)
Bachelor Thesis at *Deutsche Telekom* on the topic of *Impact of Packet-Loss on Localization and Subjective Quality in 3D-Telephone calls* which involved a user study with 28 participants and an evaluation using Gnu R and Matplotlib
- 2002–2010 **Gymnasium**, *GRG17 Geblergasse*, Vienna.
Graduated in June 2010 with an average grade of 1.25 ranging from 1 (best) to 5 (worst)

Experience

Work experience

- From 2.2016 **Research Internship**, *Inria*, Paris.
Research Internship on the topic of *Collaborative Home Network Troubleshooting* with the objective of developing a tool which helps users diagnosing problems with their Internet connection. For this, Web Browsers in one household communicate using technologies such as WebRTC and coordinate and perform Internet measurements together.
- 5.2013–5.2014 **Software Developer**, *Fraunhofer Heinrich Hertz Institute*, Berlin.
I worked in the department of Wireless Networks where I participated in the development of a software defined radio implementation of LTE. My tasks were implementing software (in MATLAB and C) according to the LTE specifications and an creating an associated graphical front-end.
- since 11.2012 **Self Employed**.
I worked for start-ups, doing mainly frontend development with Ruby on Rails and recent HTML5 technologies. Also I developed websites for private persons and small companies.

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- 9.2012 **Internship, ATOS, Vienna.**
Development of various commandline utilities and graphical Programs for Windows, e.g. a graphical Task Manager written in Visual Basic .NET.
- 8.2011, 8.2009 **Internship, OMV, Vienna.**
Administration of databases and translation of technical manuals from German to English.
- Miscellaneous**
- 2.2015–5.2015 **Start Up Lab, University of Trento, Trento, Italy.**
I lead a team achieving second place in the startup competition, developing a functional prototype of a device, which speaks a television's menu out loud, enabling the blind to interact with their TV.
- 2013–2014 **Board Member, AEGEE-Berlin e.V., Berlin.**
AEGEE is the largest transnational, interdisciplinary student organization in Europe. It promotes an equal, democratic and unified Europe, open to all across national borders. I was in the board of the association and organized several international events with up to 30 participants.
- 2010–2011 **Civil Service, Jewish Community of Vienna, Vienna.**
Support of holocaust survivors and assisting scientific research activity in the archives

Languages

German	Native language
English	C2 Level (TOEFL test 115/120 points)
Italian	Intermediate
French	Basics

Programming abilities

OS	Mac OS X, Linux, Windows, and Unix in general
Languages	JavaScript, MATLAB, Gnu R, C, Ruby, Python, Java, Assembly
Web	Experience with web application development using Ruby on Rails and knowledge of recent web technologies such as WebSockets and WebRTC
Miscellaneous	<p>LaTeX, version control software like git and databases like PostgreSQL and MongoDB.</p> <p>Experience with mobile communications (GSM, UMTS and LTE). I learned about mobile communications at Fraunhofer HHI where I worked on the LTE specification and because of my Bachelor's thesis which I wrote at Deutsche Telekom.</p>

Hobbies

Sport	Jogging, cycling, strength training, skiing
Interests	Programming, politics, philosophy, gardening, traveling