

Dipl. Inf. Moritz Warning

Curriculum vitae

PROFESSIONAL EXPERIENCE

2018 – PRESENT

Freelancer, Berlin
Software Developer

Various projects. E.g. Captive Portal development for wireless routers based on OpenWrt written in C. Configuration, development and documentation of mesh network software on OpenWrt, web interface plugins in Lua.

2018 & 2019

Freifunk, Berlin
GSoC Mentor

Google Summer of Code mentor for the Meshenger audio/video app development for communication in networks independent of the Internet.

APRIL 2015 – SEPTEMBER 2017

meteocontrol GmbH, Augsburg
Software Developer

Development of C++/Qt based software on embedded ARM devices to record solar field output and state. Driver development for new devices, Linux system updates, build system and package management. Planning and coordination of development aspects.

FREIFUNK 2011 – PRESENT

Freifunk Bielefeld, Bielefeld
Senior Software Developer

Development of a wireless router firmware to create a decentralized wireless mesh network to offer free and open Internet access across town.

2012

Diploma Thesis, Bielefeld University
Student

3D Model reconstruction from point clouds using the Microsoft Kinect and implementation of relevant data structures.

2008

Department of Philosophy, Bielefeld University
System Administrator

System Administrator for the Windows computer pool of the department. Hardware and Software setup of desktop PCs and problem resolution.

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EDUCATION

2012 **Informatics for the Natural Sciences at Bielefeld University**

UNIVERSITY DIPLOMA

Physics minor with specialization in Artificial Intelligence

PUBLIC PROJECTS

2011-PRESENT **Freifunk Bielefeld**

Wireless router firmware development

2017-PRESENT **Mesh Networks**

Mesh routing algorithm research

2018&2019 **Google Summer of Code**

Mentor for Freifunk/OpenWrt

2014-PRESENT **NoDogSplash**

Captive portal development

COMMUNICATION SKILLS

GERMAN Native speaker

ENGLISH Oral: very good – Written: good

SOFTWARE SKILLS

GOOD LEVEL C, C++, Qt, Python, Rust, shell, HTML, CSS, git, gcc, GTK+, Linux, OpenWrt, Yocto

INTERMEDIATE Java, Lua, FreeBSD, Modbus, SPI, Docker, JavaScript, Jenkins

BASIC LEVEL Windows, FreeBSD, SQL