Fabian Jakub

Personal details

Name, surname	Jakub, Fabian
Date/place of birth	23. Juli 1984, Weilheim i.Obb.
Nationality	German

Education

2013–2016	**University**, *PhD Meteorology*, LMU Munich.
2010–2013	**University**, *Master Meteorology*, LMU Munich.
2006–2009	**University**, *Bachelor Physics plus Meteorology*, LMU Munich.
1994–2005	**High School**, *Gymnasium Weilheim i. Obb.*.

PhD thesis

Title	*On the Impact of Three Dimensional Radiative Transfer on Cloud Evolution*
Supervisors	Prof.B.Mayer & Prof.G.Craig (MIM, LMU)

Master thesis

Title	*Parametrization of 3D radiative transfer effects on solar heating rates in NWP models using Cascaded Uniform Filters on Decomposed Flux Fields*
Supervisors	Dr.R.Buras & Prof.B.Mayer (MIM, LMU)

Bachelor thesis

Title	*Möglichkeiten und Grenzen eines Ceilometers*
Supervisor	Dr.M.Wiegner, Prof.B.Mayer (MIM, LMU)

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Professional and travel experiences

Okt.10–Feb.13	**Software developer**, *at the Institute for experimental Meteorology, LMU*, Munich. Implementation of an improved radiative transfer code (TIPA) into the MPI-parallelized numerical weather forecast model COSMO.
Dez.09–Sept.10	**International travels**, *South- and North Americas*.
Apr.07–Nov.09	**IT Sys-Admin**, *at Arnold-Sommerfeld-Center, Theoretical Physics, LMU*, Munich. Participation in all aspects of operations in mid-sized business IT infrastructure. Intensively engaged in setting up monitoring solutions for network and cluster infrastructure (OpenNMS)
Sept.05–Aug.06	**International travels**, *Overland to Nepal through Turkey, Iran, Pakistan, India*.
Mai 05–Sept.05	**Controller Programming**, *Abel Handels GmbH*, Munich. Programming of DBox-Controllers

Languages & tools

German	**mother tongue**
Englisch	**proficient**
French	**basic**
Tools	Fortran, C, Python, MP/MPI, PETSc, Java, Perl
	Trained in the handling of cluster-environments and high-availability systems

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