



Fabian Jakob

Personal details

Name, surname Jakob, 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