

## Education

- 2015 - 2018 **Ph.D. Candidate in Geophysics**, *Department of Earth and Environmental Sciences*, (expected) Ludwig-Maximilians-Universität München.  
Supervisors PD Dr. habil. Martin Käser, Prof. Heiner Igel.
- 2011 - 2015 **Master of Science in Computational Sciences and Engineering**, *Department of Informatics*, International Master's Program, Technische Universität München.
- 2007 - 2011 **Bachelor of Science in Geophysics**, *Department of Earth and Environmental Sciences*, Technische Universität & Ludwig-Maximilians-Universität München.

## Experience

- Oct. 2015 - **Doctorand**, *Munich Re*, Corporate Underwriting, Natural Catastrophe Risk Assessment.  
2018 Development of an Uncertainty Treatment Framework for Operative NatCat Modeling.
- Jan.-Feb. 2016 **Visiting Scientist**, *Global Earthquake Model Foundation*, Pavia, Italy.
- Oct. 2014 - **Master Thesis Student**, *Munich Re*, Natural Catastrophe Risk Assessment.  
2015 Development of a Graphical Tool for Uncertainty Analysis in Natural Catastrophe Risk Modeling.
- Mar.-Sep. 2014 **Intern**, *Munich Re*, Corporate Underwriting, Natural Catastrophe Risk Assessment.
- 2009 - 2010 **Student Exchange**, *UiB Bergen*, Norway.
- 2007 - 2013 **Research Assistant**, *Department of Earth and Environmental Sciences*, Ludwig-Maximilians-Universität München.  
Data Analysis and Python Programming (Prof. A. Friedrich, Dr. J. Wassermann, Dr. K. Sigloch).
- 2006 - 2007 **Community Service**, *Nachbarschaftshilfe Maisach*.

## Skills

### Computing and Programming

Proficient or familiar with a multitude of programming languages and concepts, including:

Bash, Git, Docker	HPC (MPI, OpenMP)	OOP, C/C++, Java	NumPy, SciPy, Pandas
GNU/Linux, Windows	Cloud Computing (AWS)	Python, MATLAB	Keras, TensorFlow

### Natural Languages

German (native), English (fluent), Spanish (CEFR B1 *intermediate*), French (CEFR A2.2 *elementary*).

## Programming Projects

<b>3PM</b> Cross Plattform Productivity App. (Python, Kivy) See: <a href="https://github.com/scheingraber/3pm">scheingraber.github.io/3pm</a> .	<b>Miscellaneous</b> Navier-Stokes Solver (group project), (Python, C/C++, Project Websites, GUI & CLI Tools. HTML/Javascript) See: <a href="https://github.com/scheingraber">github.com/scheingraber</a> .
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## Hobbies

<b>Photography</b> Nature & Travel Photos and Time-lapse Videos. <a href="http://www.scheingraber.net">www.scheingraber.net</a> .	<b>Sports</b> Cycling, Snow- & Splitboarding, Paragliding, Hiking.
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